X

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PROGRESS REPORT

FOREST ADMINISTRATION

IN THE

PUNJAB

FOR

1893-94.

Lahore:
THE "CIVIL AND MILITARY GAZETTE" PRESS,
Contractors to the Punjab Government

1894.

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No. 418 F., dated Simla, the 18th April 1895.

From—Denzil Ibbetson, Esq., C.S., *Offg. Secretary to the Government of India,*
To—The Revenue Secretary to the Government of the Punjab.

I am directed to acknowledge the receipt of your letter No. 28, dated 11th January 1895, forwarding the Forest Administration Report of the Punjab for the year 1893-94, together with a copy of the Lieutenant-Governor's orders, and to communicate the following remarks.

2. The Government of India are glad to learn that active measures have been taken to complete the settlement of the forests in Kulu and Kangra, and thus to place their control on a sound legal basis without undue restriction of the privileges enjoyed by the surrounding population.

3. The Conservator finds difficulty in recording his demarcation work in the prescribed Form No. 48, and I am to explain that additions to marks on lines already demarcated, such as he describes in Kangra, should be treated as repairs and shown in column 3 of the statement.

4. The continued want of success in protecting the forests of Hazara from fire is to be regretted. It is hoped that the grant of special privileges in the case of forests which escape will in time prove effective; accompanied, as it doubtless will be, by unrelaxed efforts for the detection and punishment of offenders. The recent orders of the Punjab Government, by which pound-fees upon cattle found trespassing in forests that have been closed on account of fires are enhanced, will render more effectual the inducement to the neighbouring villagers to assist in the prevention of forest fires, and the penalty of failure to do so.

The Government of India are unable to agree with the Conservator 'that fire-lines and fire-guards must prove futile where the fires are started inside the forests.' While proof of incendiarism is at all times difficult, it would seem that the ordinary establishment, assisted by watchers during the dry months, should be able to protect their forests by keeping incendiaries in check, in Rawalpindi as well as in other parts of the country. Moreover, the advantage of fire-lines in preventing the spread of fires, when they do occur, seems not to be fully appreciated by the Conservator.

5. The effects of the light grazing advocated by the late Mr. Whittall on the natural reproduction of the hill forests should be carefully studied. The difficulty in regulating it is apt to lead to excessive grazing in some parts, while others are not grazed over at all; while so far as past experience goes, the beneficial results on reproduction are doubtful.

6. It is observed with satisfaction that the outturn of timber and fuel, which in 1892-93 showed a considerable falling off, has again approximated to that of previous years. The stock of deodar sleepers and scantlings in depôts rose from ½ to ¾ of a lakh in consequence of short sales; and at the same time the importation of sleepers from Native States declined. The Government of India are advised that the demand for sleepers is a steady one, and they are of opinion that arrangements should be made to meet it with regularity so far as may be found practicable at reasonable rates. With this view it seems desirable to expedite the preparation of working-plans for all deodar forests in which exploitation is at present in abeyance pending their preparation.

7. The increased outturn of timber and other produce is accompanied by a marked improvement in the financial results, which, with the additional stock in depôt, brings the year's transactions more nearly upon a level with those of the five years prior to 1892-93. It is hoped that the present more satisfactory results will be maintained in the future, and will bear out the anticipations expressed by the Government of India, when reviewing the annual report for 1892-93, that the Conservator of the time had insufficient grounds for predicting a prospective decline in the forest revenues of the Punjab.

Period.		Receipts.	Charges.	Surplus.	Proportion of surplus to gross revenue.
		R	R	R	Per cent.
Forest year 1893-94 (1st July 1893 to 30th June 1894)		9,43,789	6,53,456	2,90,333	31
Financial year.	1893-94	9,13,302	6,36,429	2,76,873	30
	1892-93	8,12,632	6,56,265	1,56,367	19
	Difference in 1893-94	+1,00,670	−19,836	+1,20,506	+11
	Average for the five years ending 1892-93	9,47,045	6,35,805	3,11,240	33

8. The Government of India concur with His Honour the Lieutenant-Governor that Mr. Whittall's death, which was noticed in the remarks on last year's report, deprived the Department, and Government, of a zealous and capable officer.

It is observed with satisfaction that Mr. Elliott's careful supervision has earned His Honour's approval, which is fully justified by the successful administration of the forests of the Punjab during the past year.

G. I. C. P. O.—No. 1262 R. & A.—13-4-95.—300.—R. N. P.

Proceedings of the Hon'ble the Lieutenant-Governor of the Punjab, in the Forest Department, No. 27, dated 11th January 1895.

READ—

The Progress Report on the Forest Administration of the Punjab for the year 1893-94, submitted by the Conservator of Forests with his letter No. 1769, dated 1st October 1894.

REMARKS.—The area in charge of the Forest Department at the close of the year 1893-94 amounted to 5,929 square miles as compared with 5,809 square miles in the previous year. Thirteen square miles on the new Sohág Pára Canal, which were declared a reserve some years ago, and 17 square miles of unclassed forest on the Chenab Canal, were thrown open to colonization, but the loss on this account was much more than counterbalanced by the transfer of a large number of unclassed forests in Kángra from District management. Military rakhs covering 118 square miles are subject to the provisions of Chapter II of the Forest Act. In addition there are 921 square miles of protected forest, and a large area of unclassed forest managed by Deputy Commissioners. The area of the former class has greatly increased during the year by the notification of the plain rakhs in Shahpur under Section 28 of the Act. At the same time the rakhs in the Bhera Tahsíl of Shahpur managed by the Forest Department were declared protected. All the protected forests in Shahpur will be constituted reserves when the Forest Settlement now in progress is completed. This course has been adopted because, as noticed in last year's review, the Lieutenant-Governor thinks that the secure status obtained by reservation may be acquired without any greater restriction in practice of the privileges of the surrounding population than would be involved in making the forest a protected one.

2. The proceedings in connection with the settlement of the Khálsa forests in Kulu and Kángra are approaching completion. Forty-five forests in Kulu have been notified as reserves, and it is hoped that the revision of the records of the forests to be classed as protected will soon be finished. The case of the Kángra Jágír forests and the Shahpur Kandi forests will then be taken in hand. In the Shahpur District tbe Forest Settlement will not be completed till Mr. Wilson, who lately revised the land revenue settlement of that district, returns from furlough in November 1895, as Sir Dennis Fitzpatrick preferred to allow a little delay to occur rather than lose the advantage of Mr. Wilson's unique local knowledge in the framing of the record-of-rights. The Financial Commissioner has recently been asked to report what is the present state of the Forest Settlement of certain areas on the banks of the Chenab in Gujrát which were notified for reservation some years ago.

3. The second chapter of the report deals with the management of State forests. Under this head the progress made in the preparation of Working Plans has been satisfactory, considering the weakness of the superior staff to which the Conservator has alluded in paragraph 55. As regards the question of protection and the punishment of breaches of forest law, Mr. Elliott has noticed (paragraph 12) that in Kulu the percentage of convictions in forest cases fell from 78 to 15, and he attributes the decrease to the absence of any law under which minor forest offences could be prosecuted. But the Conservator's remarks will, of course, no longer be applicable to the forests in Kulu which have been notified as reserves, as stated in the preceding paragraph, with effect from the 1st of July 1894. It is hoped that the protected forests also will very shortly be placed on a legal footing.

4. Seventy-two thousand six hundred and eighty-eight acres of forest were burnt during the year as compared with 2,871 in 1892-93, and there is too much reason to fear that the classification on page 9 of the report, which attributes over five-sevenths of the damage done to incendiarism, is not far wide of the mark. It is disheartening to find that the special efforts for fire protection made in Hazára were not more successful. All that can be said is that the

area destroyed was much less than in 1886-87, 1889-90, or 1891-92. As Mr. Elliott points out, the accumulation of pine needles threatens every second or third year to prevent the growth of grass, and in these circumstances some zamíndár is pretty sure to be found who will face the small risk of being detected and sent to jail for applying what seems to him the appropriate remedy. The grant of special grazing privileges in the case of those forests which escape for several years in succession is likely to prove more effectual than the fear of punishment. The offer of such privileges is a new policy, and comparative failure at first was perhaps to be expected. Unless we can make the people believe that our interests in these forests are not really incompatible with theirs, we cannot hope for their assistance in protecting them. Of the total area in charge of the Forest Department 14 per cent. is entirely and 14½ per cent. partially closed to grazing. But where grazing is prohibited grass-cutting is usually allowed.

5. The year, unlike 1892-93, was an unfavourable one for natural reproduction, and many young seedlings were destroyed by fire. The experiments as to the effect of light grazing on reproduction in the hill forests should certainly be persevered with. The late Mr. Whittall gave it as his opinion in paragraph 46 of last year's report that, as regards deodár forests, light grazing was not only permissible but necessary. The success obtained from the experiments with Robinia *pseudo*-Acacia in the Simla Hill Tracts is very encouraging. Before any new tree can be established we must expect a large number of failures.

6. The outturn of timber was much larger than in the previous year, but the yield of fuel was rather less. More than half of the fuel came from the Montgomery rakhs. It is stated in paragraph 43 of the report that there was an increase during 1893-94 of 45,488 cubic feet in the timber removed by right-holders in the Ráwalpindi District, and this is explained to be due to the fact that the Civil authorities issued passes more freely than in former years. Sir Dennis Fitzpatrick is entirely in favour of liberality in such matters; but the Civil authorities should have been asked to explain the great increase in the amount for which they issued passes. As regards the very large increase in the quantity of timber made over to villagers in Kulu, which is referred to in the same paragraph, His Honor wishes for a special report. When he went through Kulu at the end of 1893, it did not seem to him that there was any tendency to err on the side of excessive liberality, but so very large an increase calls for explanation.

7. The table at the beginning of paragraph 44, which summarises the outturn of the various forests during the year under report, is interesting and should be given yearly. The Lieutenant-Governor cannot find any similar statement in last year's report. The one now given shows that more than half of the timber and nearly 90 per cent. of the fuel yielded no income to Government. His Honor will reserve his remarks on the rates realized on timber and firewood extracted by Government agency till he receives the special report on the timber trade of the Province alluded to in paragraph 45.

8. The income of the forest year, July 1893—June 1894, has been higher by Rs. 1,31,000 than that of the *financial* year 1892-93, while expenditure has fallen-off by Rs. 3,000. It appears from the second table given in paragraph 44 (where the figures for 1892-93 are for fifteen months) that much more timber and fuel have been sold, and, though the price of timber was so low, the receipts for the *forest* year 1893-94 must have been higher under this head than those for the financial year 1892-93. The expenditure last year was swollen by the payment of a large sum of Rs. 53,100 to His Highness the Rája of Chamba, being his share of the profits on the forests he has leased to Government. This is a quinquennial payment, but it was long overdue when paid, and the next payment will be made this year. The change from the financial to the forest year has caused confusion, and the financial chapter of the report is not clearly written.

9. Mr. Whittall's death is a serious loss to the Department. Though in a very precarious state of health, he met the Lieutenant-Governor in Kulu in 1893, and displayed up to the last an earnest desire to do his work. His Honor feels much indebted to Mr. Elliott for his careful supervision of the work of the Department. He wishes, however, to call attention to one point connected with the form of the report, *viz.*, that the statements appended to it seem to be growing to an inordinate bulk. The question of keeping them within proper bounds should be taken up separately.

ORDER.—Ordered that the above Remarks be printed and published as usual with the report and in the *Punjab Government Gazette;* also that they be forwarded with the report to the Government of India in the Department of Revenue and Agriculture, and to the Conservator of Forests, Punjab, for information and guidance.

By order of the Hon'ble the Lieutenant-Governor,

R. G. THOMSON,

Revenue Secretary to Government, Punjab.

Punjab Government Press, Lahore—12-1-95—6.

No. 1769.

FOREST DEPARTMENT, PUNJAB.

FROM

C. F. ELLIOTT, Esquire,
Offg. Conservator of Forests,
PUNJAB,

To

THE REVENUE SECRETARY TO GOVERNMENT, PUNJAB.

Dated LAHORE, *the* 1*st October* 1894.

SIR,

I have the honour to submit the Annual Administration Report of the Punjab Forest Department for the forest year 1893-94 (1st July 1893 to 30th June 1894).

I have the honour to be,
Sir,
Your most obedient Servant,

C. F. ELLIOTT,
Offg. Conservator of Forests, Punjab.

TABLE OF CONTENTS.

CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

I.—ALTERATION OF AREA.

PARA.		PAGE.
1.	Changes during the year	1
2.	Changes by Divisions	ib.

II.—FOREST AND LAND REVENUE SETTLEMENTS.

3.	Results during the year	2

III.—DEMARCATION.

4	Form No. 48	3
5.	Work of the year	ib.

IV.—SURVEYS.

6.	Work of the year	ib.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

I.—REGULATION OF MANAGEMENT.

(a).—Working Plans and their Control.

7.	Progress made in Working Plans	4
8.	Control Forms	ib.

(b).—Annual Plans of Operations.

9.	General remarks	ib.

II.—WORKING OF THE YEAR.

(a).—Communications and Buildings.

10.	Roads and Bridges	5
11.	Buildings	ib.

(b).—Protection of the Forest from injury.

(1).—GENERAL PROTECTION AND BREACHES OF FOREST LAW.

12.	Forest offences	ib.
13.	Cases compounded	6
14.	Hazára Forest Regulation	ib.

(2).—PROTECTION FROM FIRE.

15.	Results of the year	7
16.	Statements of areas burnt	8

(3).—REGULATION OF GRAZING AND PROTECTION FROM CATTLE.

17.	Grazing of the year	10
18.	Regulation of grazing	ib.
19.	Cattle Trespass	ib.
20.	Fencing	11

(c).—Improvement of Forest growth.

(1).—NATURAL REPRODUCTION.

21.	General remarks on the Divisions	ib.

(2).—ARTIFICIAL REPRODUCTION.

22.	Exclusion of areas from Form No. 56	12
23	Expenditure of the year	ib.

(3).—EARLY THINNINGS.

24.	General remarks	ib.

(4).—OTHER OPERATIONS FOR THE IMPROVEMENT OF THE GROWING STOCK.

25.	General Remarks	ib.

(5).—EXPERIMENTS.

26	Robinia and Albizzia	13
27.	Miscellaneous	ib.

(d).—Exploitation of Major Forest produce.

(1).—Clear or Regeneration Fellings.

Para.		Page.
28.	Clear or regeneration fellings	14
	(2).—Selection Fellings.	
29.	Selection fellings	ib
	(3).—Improvement Fellings.	
30.	Improvement fellings	ib.
	(4).—Coppice Fellings.	
31.	Coppice fellings	15
	(5).—Unregulated Fellings.	
32.	Unregulated fellings	ib.
	(e).—Extraction and Transport of Major Forest produce.	
33.	Statement of launchings and receipts	16
34.	Chánga Mánga tramway	17
35.	Multan	ib.
	(f).—Exploitation of Minor Forest produce.	
	(1).—Extraction of Fodder	
36.	Revenue from fodder grass	ib.
	(2).—Grazing.	
37.	Revenue from grazing	18
	(3).—Miscellaneous produce.	
38.	Revenue from miscellaneous produce	ib.

CHAPTER III.—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

	(a).—Departmental Operations.	
39.	Work of the year	19
40.	Bamboos and other minor produce	20
	(b).—Removal of produce by purchasers.	
41.	Produce removed by purchasers	ib.
	(c).—Free grants of Forest produce.	
42.	Detail of free grants	21
	(d).—Produce removed by right-holders.	
43.	Removals by right-holders	ib.
	(e).—Summary of produce removed from the Forests.	
44.	Summary of outturn	22
	(f).—Imports.	
45.	Imports	ib.

CHAPTER IV.—FINANCIAL RESULTS.

46.	General Summary of financial results	23
47.	Abstract of Form No. 65	ib.
48.	Outstandings of revenue	24
49.	Outstandings against contractors and disbursers	ib.
50.	Results of the year's transactions	ib.
51.	Results by Divisions	ib.
52.	Revenue from Simla Forests	ib.

CHAPTER V.—GENERAL ADMINISTRATION.

53.	Chánga Mánga Irrigation	ib.
54.	River boundary disputes	25
55.	Strength of the controlling Staff	ib.
56.	Remarks on subordinate Staff	ib.
57.	Poverty of the Department	ib.
58.	Village Forests in Hazára	26

Statements illustrating the Annual Report.

Form No. 46.—Area of Reserved Forests.
" " " —Area of Protected Forests.
" " " —Area of Unclassed Forests.
" " 47.—Forest Settlements.
" " 48.—Demarcation and Maintenance of boundaries.
" " 49.—Surveys.
" " 50.—Working Plans.
" " 51.—Communications and Buildings.
" " 52.—Register of Breaches of Forest Rules.
" " 53.—Area of Forest tracts protected from fire.
" " 54.—Area closed and open to grazing.
" " 55.—Grazing in the State Forests.
" " 56.—Area of Plantations.
" " 57.—Outturn of timber and fuel.
" " 58.—Outturn of minor produce.
" " 59.—Account of timber and other produce.
" " 60 A.—Value of timber and other produce at Sale Depôts.
" " 60 B.—Value of live and dead-stock.
" " 61.—Summary of Revenue and Expenditure of the Divisions.
" " 62.—Account Current.
" " 63.—Revenue received and outstandings on account of revenue.
" " 64.—Outstandings and liabilities on account of contractors and disbursers.
" " 65.—Financial Results.

APPENDICES.

I.—Statement of Buildings.
II.—Grazing.
III.—Animals impounded.
IV.—River account.
V.—Gross outturn.
VI.—Drift.
VII.—Imports.
VIII.—Results by Divisions.
IX.—Statement of Officers in charge of Divisions.

PROGRESS REPORT

OF

FOREST ADMINISTRATION IN THE PUNJAB

FOR THE YEAR 1893-94.

THE LIEUTENANT GOVERNOR

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CHAPTER I.—EXTENSION AND CONSTITUTION OF STATE FORESTS.

I.—Alteration of Area.

Changes during the year.

1. The following statement shows in acres the detail of changes in area of forests of all classes entered on the books of the Forest Department:—

	At the commencement of the year.	Added.	Excluded.	At the close of the year.
Reserves.	Acres.	Acres.	Acres.	Acres.
(1). Departmental	10,45,856	5,309	12,956	10,38,209
(2). Military	71,653	3,754	...	75,407
(3). Civil	10	...	...	10
Protected.				
(1). Departmental	43,264	1,38,996	88	1,82,172
(2). District	84,142	5,05,466	...	5,89,608
Unclassed.				
(1). Departmental	26,28,656	1,20,270	1,74,560	25,74,366
Total	38,73,581	7,73,795	1,87,604	44,59,772

As regards alteration of area the main features have been the transfer to the Department of the Unclassed Forests (98,047 acres) in the Pálampur and Kángra Tahsíls of the Kángra District. This change forms part of the general scheme for placing all Government waste lands under the management of Forest Officers, unless special reasons to the contrary exist, and is in continuation of the transfers made last year in Ráwalpindi, Jhelum, and Chenáb Divisions. Similarly transfers in the Dera Ghází Khan District are under consideration.

As a consequence of the commencement of Forest Settlement operations in the Shahpur District, 6,44,462 acres have been gazetted as Protected Forests, of which 1,38,996 acres in Bhera were already under the management of the Forest Department, while the balance not having been made over to us is shown as Civil Protected Forest.

In accordance with instructions conveyed in para. 1 of the Punjab Government Review on the report for 1892-93, the areas of Rakh Bandan and Hissár Birs have been classified as Military in place of Civil Reserves.

Changes by Divisions.

2. The following is the detail of changes by Divisions:—

(a).—*Reserved Forests.*

Hazára.—2 acres were excluded from the Sir Reserve of the Dungagalli Range for conservancy purposes in the Thobba Location under *Punjab Government Notification No.* 211 *of* 27*th March* 1894. This was perhaps unnecessary, for the Thobba Location as well as the other Military Locations in the Dungagalli Range, is included in the forest area, but the reason for retaining the Locations as nominally Reserved Forest, *viz.* the difficulty of managing the forest included in them, does not apply in this particular instance.

Ráwalpindi.—5 acres were excluded from the Patriáta Reserve of the Murree Range under the order of the Deputy Commissioner, owing to the discovery of an error in the Settlement papers.

Jhelum.—20 acres of Reserve Bela Saila were made over to the villagers of Mahe Kalán in accordance with a compromise of the claim made by them which was sanctioned in *Financial Commissioner's No. 7794, dated 9th December* 1893.

Chenáb.—6 acres were excluded from Reserve Mári, Gujrát Range, under *Punjab Government Notification No. 341, dated 25th June* 1894, for the construction of a District rest-house. 10 acres were lost by river action, 7 acres were excluded under the authority of the Deputy Commissioner owing to the correction of previous returns.

Chamba.—1,586 acres forming the forests of the Ulassa block were transferred from the Barmaur to the Chamba Range.

Bashahr.—3,303 acres were added and 2,918 acres excluded in accordance with the measurements obtained by the Forest Survey.

Lahore.—12 acres were gained and 24 acres lost by river action.

Montgomery.—8,378 acres were excluded under *Punjab Government Notification No. 395, dated 14th July* 1893, owing to the disafforestation of the Sohág Pára Reserve.

Multan.—60 acres were added to the Dángra Reserve in the Kabírwála Range under *Punjab Government Notification No. 561, dated 8th November* 1893, owing to the reservation of some deserted fields lying inside the forest. 348 acres, being the area of the Arbi grass reserve, were gazetted in *Punjab Government Notification No. 375, dated 28th June* 1893.

Military Reserves.—Chhapar and Sujra Birs in the Ambala District amounting to 1,693 acres were gazetted under Section 19 of the Forest Act in *Punjab Government Notification No. 435, dated 14th August* 1893, and have been added to Military Reserves.

Rakhs Dhamial and Adiala in the Ráwalpindi District were declared reserves in *Punjab Government Notification No. 575, dated 14th November* 1893, and made over to the Military authorities.

(b).—Protected Forests.

Ráwalpindi.—88 acres were excluded from the Salkhetar Protected Forest, Murree Range, under the order of the Deputy Commissioner, owing to an error in the Settlement records.

Chenáb.—1,38,996 acres of the Bhera Unclassed Forests were gazetted as Protected Forests in *Punjab Government Notification No. 254, dated 24th April* 1894, while the newly formed Civil Protected Forests in Shahpur were as follows :—

	Acres.
Bhera Tahsíl	7,466
Shahpur do.	2,25,401
Khusháb do.	2,72,599
Total	5,05,466

(c).—Unclassed Forests.

Ráwalpindi.—57 acres were excluded from the Chitta Rakh in the Pindigheb Tahsíl and made over to the Mári-Attock Railway in accordance with *Punjab Government Notification No. 3006, dated 10th May* 1894.

Jhelum.—25 acres were transferred to the Chenáb Division being carried over from the Jhelum to the Gujrát side of the Jhelum River.

Chenáb.—The following changes took place :—

		Acres.
Additions.—	By correction of previous returns owing to remeasurement	154
	By river action	2
	By transfer from the Jhelum Division	25
	Total	181
Deductions.—	By correction of previous returns owing to remeasurement	71
	By transfer to Canal Department (Pukka Mari 11,845) for colonization purposes	11,903
	By river action	96
	By transfer to Protected Forests	1,38,996
	Total	1,51,066

Kángra.—98,047 acres of District rakhs were transferred to the Forest Department in the Kangra and Pálampur Tahsils, and 86 acres were leased for cultivation. The forests in Chota and Bara Bangál are not included in this statement, as no statistics of area are available.

Kullu.—16 acres were obtained by the exchange of 28 acres of inferior quality in other places, while 435 acres were leased for cultivation.

Bashahr.—16 acres were leased for cultivation.

Simla.—One acre was gained by exchange, while 3 acres of the Dagshai plantation were resumed by the Military Department and one acre exchanged.

Lahore.—1,838 acres were added to, and one acre deducted from, rakhs in the Sharakpur Tahsíl, owing to remeasurement in connection with the Land Revenue Settlement, while 59 acres were transferred to the Canal Department.

Montgomery.—870 acres formerly leased to cultivation reverted to Government, under sanction of *Financial Commissioner's No. 4291, dated 27th June* 1893 ; 8 acres were leased for cultivation ; 100 acres were given up to the township of Okára under *Punjab Government Notification No. 431, dated 15th September* 1893 ; 2 acres were transferred to the District authorities under *Financial Commissioner's No. 6182, dated 5th October* 1893.

Multan.—50 acres were added and 1,058 acres lost by river action, while 2,000 acres were transferred to the District authorities in Dera Gházi Khan District under *Punjab Government No. 99, dated 12th December* 1892, and 348 acres were transferred to Reserved Forests.

II.—Forest Settlements.

Results during the year.

3. The year under report marks a considerable amount of progress in the long pending Settlement of the Kullu and Kángra Forests.

Kullu.

In October 1892 His Honour the Lieutenant-Governor visited the district, the tangible results being the gazetting of the proposed Reserved Forests in Kullu as Reserves, under Section 19 of the Forest Act ; the Notification (No. 298, dated 12th May 1894), however appeared towards the close of the year and does not take effect till the 1st July 1894.

Further a conference consisting of the first Financial Commissioner, the Commissioner, Deputy Commissioner, Assistant Commissioner, Conservator and Deputy Conservator met in Kullu, and drew up a note which was submitted to the Lieutenant-Governor on his arrival. His Honour has issued instructions regarding the alteration of certain rules for Protected Forests, and, on the resubmission of the papers by Mr. Anderson, Deputy Commissioner, who as Settlement Officer drew up the original proposals, there is every possibility of a case which has now been pending for years being finally disposed of by the end of 1894, and forest matters in Kullu being placed on a satisfactory basis. At present there appears to be no law at all under which forest offences can be dealt with, except in certain cases where, for the more flagrant offences, the Indian Penal Code may be applied.

Kángra.

Similarly in Kángra the Lieutenant-Governor has issued instructions for certain alterations to be made and the case resubmitted for final orders. It is understood that Mr. Anderson has almost completed the revision.

No progress has been made in the Shahpur Kandi Forest Settlement.

Chamba.

The records of concessions in Pangi and for 8 forests of the Dalhousie Range have not yet been agreed to by the Rája of Chamba, the case has however been fully discussed, and an early settlement of the question may be expected. Meanwhile the work of revising and adding to the list is steadily proceeding both in Chamba proper and in the remainder of the Dalhousie Range.

Bashahr.

In Bashahr the settlement and demarcation of the reserves was reopened, and the Tika Sáhib of the State requested by the Deputy Commissioner to make another enquiry into the recorded rights.

Shahpur Forest Settlement.

In the Shahpur District, on the completion of the Land Revenue Settlement, the settlement of the rakhs was commenced. The results obtained so far have been the gazetting of the Forest Department Bhera rakhs, as well as of certain District rakhs in Bhera, Shahpur, and Khusháb Tahsíls as Protected Forests under Section 28 of the Forest Act.

The Departmental Unclassed Forests in the Khusháb Tahsíl and that under the District authorities at Sakesar, as well as the Departmental and District rakhs just mentioned have been further notified under Section 4 of the Act for reservation. Notices under Section 6 were published in March 1894 in the Salt Range villages concerned; Bhái Sádhu Singh, Extra Assistant Conservator of Forests, was deputed in April to help Mr. Wilson, the Forest Settlement Officer, who however in the end of that month went on furlough, so that final orders in all cases will be deferred till his return in November next. Meanwhile Mr. Bridges has been appointed Forest Settlement Officer, and notices under Section 6 for the plains rakhs are being prepared by him, thus the requisite 3 months' period will have elapsed by the time Mr. Wilson returns.

When these large areas in the Shahpur District have been reserved it will be necessary to make a separate Shahpur Forest Division, as the present arrangement whereby the forests are distributed between the Jhelum and Chenáb Divisions cannot be maintained.

Siálkot and Gujrát.

The Land Revenue Settlements of Siálkot and Gujrát appear to be complete, but not yet sanctioned, and thus the proposals for reservation of the Belás on the Chenáb await orders.

Pakka Mári.

The Pakka Mári block on the Chenáb Canal was reduced from 27,144 acres to 15,299 acres, the balance being made over for colonisation, and a revised notification under Section 4 of the Forest Act for the area still remaining has been issued.

Multan.

In Multan Chah Somewála, a deserted plot of cultivation lying in the centre of Reserve Dángra, Kabírwála Range, was finally notified under Section 19, as was also the Arbi grass rakh.

The 5 square miles entered as still undergoing Settlement constitute the lands proposed for reservation in connection with the Kabírwála Range Working Plan; they have, however, not yet been notified under Section 4; the Deputy Commissioner has agreed to the transfer of 4 blocks measuring 4 square miles, but the fifth is still under discussion.

Miscellaneous.

The reservations mentioned in para. 13 of last year's report have not made any progress. In Lahore the Land Revenue Settlement has added, on paper, 1,837 acres to our rakhs in the Sharakpur Tahsíl.

III.—Demarcation.

Form No. 48.

4. As pointed out in para. 17 of last year's Annual Report Form No. 48 (Record of Demarcation) is not suited to shew the work done in the erection or in the repairs of pillars here and there in lines already demarcated.

Thus, as will be seen from a reference to the statement, the chief expenditure on new work was in Kángra on the construction of pillars to improve the boundaries for the assistance of the Survey party, but no entry on this account can be made in any column of the form.

Work of the year.

5. From the figures given it will be evident that the demarcation of the year was light. It was almost entirely confined to repairs and such include the substitution of a more permanent form of boundary for the rougher sort which was sufficient in earlier times.

It will be observed that with the exception of Kángra the demarcation of the forests is nearly complete in some form or another. Out of a length of 4,781 miles still requiring to be marked out 3,684 miles are in Kángra, which length includes the perimeter of those District forests which have only recently been transferred to us, and there the work is proceeding in conjunction with the Survey.

Kullu.

In Kullu the Divisional Officer has inspected many of the boundaries of the forests with a view to checking the actual lines with the descriptions given in Mr. Anderson's Forest Settlement Report and, in consultation with that officer, the discrepancies are being adjusted. The work was interrupted in October and November, as the Divisional Officer was touring with His Honour the Lieutenant-Governor, the Financial Commissioner and other officers; subsequently his attention was chiefly devoted to marking timber for right-holders, a work which consumes an immense amount of time and leaves nothing to show for it.

IV.—Surveys.

Work of the year.

6. The only surveys which were proceeding during the year in the Punjab are the operations of the Forest Survey Branch in Bashahr and those of the Himalayan Survey party in Kángra and Kullu.

8 sheets of the Kullu map scale 4"=1 mile, shewing most of Outer Sahráj have been received and advance copies of sheets in Inner Sahráj have been promised, also 7 sheets of the Kángra Survey have come to hand.

With the exception of the rakhs lately transferred from the District authorities, all our forests in the plains have been sufficiently well surveyed and mapped for present needs. It is for some of our hill forests that better maps are required. In Bashahr the work has been completed by the Forest Survey Branch which is now about to commence operations in Chamba for a 4" survey of the forests combined with a 1" survey of the surrounding country.

CHAPTER II.—MANAGEMENT OF STATE FORESTS.

I.—Regulation of Management.

(a).—Working Plans and their Control.

Progress made in Working Plans.

Kángra and Kullu.

7. The Working Plans Branch, which had been in abeyance since Mr. Lace's departure in March 1893, resumed operations in December of the same year under Mr. Reuther who commenced work in Kángra with the assistance of Messrs Coventry and Fazl-ud-dín II. Only reconnaissance of the forests took place; 52 proposed reserves with an area of 11,066 acres or 17·29 square miles were inspected and described, but no enumerations were undertaken, though the forests in which enumerations will be necessary were decided upon.

The Working Plans party under Mr. Coventry (Mr. Reuther having been transferred to Baluchistán) proceeded at the commencement of the hot weather to Kullu, where operations were started in Outer Sahráj, for which some of the new survey sheets were available; 19 proposed first class Protected Forests with an area of 4,540 acres were described and enumerated; work commenced in Kullu on 30th April 1894. Mr. Coventry held charge till the end of the year, 30th June, when he went on leave making over to the Divisional Officer Mr. Fisher who will be responsible for the Working Plan in Kullu.

Pangi and Bashahr Working Plans.

During the year the Pangi Working Plan received the sanction of Government and came into force from the 1st July 1893, while that for Bashahr was also agreed to with effect from 1st July 1894.

Kotkhái.

The plan for the Kotkhái and Kotgarh Forests of the Simla District was received back from the Financial Commissioner and despatched to the Inspector-General of Forests in November 1893.

Simla Municipal Forests.

The Working Plan for the Simla Municipal Forests, so long pending in consequence of certain alterations in area, was after the close of the year received from Government with orders to carry out the provisions of Section 38 of the Code.

Revision of Upper Rávi and Dalhousie Plans.

Preliminary proposals for the revision of the plans for the Upper Rávi and Dalhousie Forests of the Chamba Division have been submitted to the Inspector-General, and Mr. McIntire who has drawn them up hopes to complete the field work in connection with them in the autumn.

Kálaohitta.

Mr. Fazl-ud-dín was employed during the spring of 1893 in collecting data for a Working Plan for the Kálaohitta Forests of Ráwalpindi, and preliminary proposals were submitted to the Inspector-General in this office No. 2757, dated 20th December 1893.

Montgomery and Multan.

Rough Plans for the Multan and Montgomery Forests are in course of preparation; a series of fellings, which is all that is really required for these fuel forests, was in the case of the Montgomery Forests submitted to the Inspector-General in December last, but shortly afterwards the arrangement under which fuel was supplied to the North-Western Railway fell through, and as the Railway has hitherto formed almost the only market for the Montgomery fuel, it was considered advisable to delay any further operations in the matter of the Montgomery Working Plan, until a market for its produce should be assured. This has been recently effected by the reconstruction of the arrangements for fuel deliveries between the Forest Department and the Railway, and the plan will shortly be submitted. In the case of Multan certain additions to the reserved area are necessary and proposals have been made, but until these are agreed to the plan cannot be proceeded with.

Hazára.

Notes for the preparation of descriptions and for a system of roads and a table of fellings for 10 years in the Khanpur Range of the Hazára Division have been prepared by the Divisional Officer, and it is hoped that definite proposals will be received during next cold weather; the recent disastrous fires in this tract have, however, impaired the usefulness of the work hitherto accomplished, so that fresh descriptions and an entirely new programme of working may have to be devised in consequence of the areas burnt. In Dungagalli, so long as sales from the village forests go on unchecked, there is but little use in preparing a Working Plan for the exploitation of produce for which there is no market. Similar considerations apply to the Siran Range which must at all events wait till Khanpur has been disposed of. Collection of data for a plan of the Kághán Forests cannot be proceeded with by the Divisional Officer with his present establishment and, owing to the numerous calls which have been made upon our controlling staff, it was found necessary to transfer from the Division Bhái Sádhu Singh, Extra Assistant Conservator of Forests, who had been specially deputed to relieve Mr. Gisborne Smith of much of the current duties of the Divisional Officer. It will, however, be far better to depute a regular Working Plans party to the valley, and this will be done as soon as it is possible; meanwhile deodar fellings have been largely reduced.

Control forms.

8. Control Forms 2 and 3 have been kept up and sanction for deviations from prescriptions obtained.

(b).—Annual Plans of Operations.

General remarks.

9. These were framed in the case of 1893-94 for the financial year, and as the period under report differs considerably from that year it seems needless to consider whether they were or were not acted up to; orders were received during the year that the forest year should be adopted for the preparation of these plans.

II.—Work of the Year.

(a).—Communications and Buildings.

Roads and bridges.

10. In Form No. 51 will be found the detailed account of the work done and expenditure incurred under this head.

The following statement gives an abstract of the charges on roads and bridges:—

Period.	New work.	Repairs.	Total.
	Rs.	Rs.	Rs.
Forest year 1892 93, 12 months	3,311	2,727	6,038
Forest year 1893-94	2,896	3,931	6,827

The chief items of expenditure on new works during the year under report were (1) the construction of 4 miles of road 10 feet wide (Rs. 659) in the Khanpur Range of the Hazára Division as a commencement of the road system which is eventually to render that tract of country fully exploitable as regards forest produce; (2) opening out of 13¼ miles of road in Chamba Division at a cost of Rs. 825; (3) in Bashahr 11¼ miles of roads and paths constructed for Rs. 833, and a bridge over the Wangar stream built for Rs 227.

Repairs of roads were executed over 385 miles at the cost given above, and took place mainly in Bashahr (Rs. 1,303) and Chamba (Rs. 952), while in Ráwalpindi (Rs. 519), the increase over last year's figures (Rs. 172) is due to the occurrence of landslips owing to the heavy rains.

In the Kághán valley of Hazára 37 miles of road were repaired and made passable for laden mules by the 23rd Pioneers and by the Bengal Sappers and Miners, but it is to be regretted that the Hazára Divisional Officer reports that "the abnormally heavy floods in the Kunhár stream and its tributaries resulted in parts of this road being carried away."

The Chamba Divisional Officer reports that it is not intended to keep in repair all roads of which the construction was prescribed in the Upper Rávi Working Plan, many of them being simply required for exploitation purposes and ill suited for inspection, while their existence is even harmful as it facilitates trespass.

Buildings.

11. The following statement gives an abstract of charges on buildings:—

Period.	New works.	Repairs.	Total.
	Rs.	Rs.	Rs.
Forest year 1892-93, 12 months	3,034	5,590	8,624
Forest year 1893 94	4,603	4,100	8,703

In Chamba Division Rs. 1,674 were spent on new works mainly consisting of new out-houses at Kálatop and range quarters at Dareri for the Chamba Range Officer with quarters for guards. Up to date huts for 5 guards in accordance with the prescriptions by the Working Plan have been constructed.

In Bashahr Rs. 577 were spent on re-roofing and improving the Kilba bungalow which was previously hardly fit for habitation.

In Ambála Rs. 1,716 were spent on the Kalesar bungalow, bringing the total amount spent to date to Rs. 1,786; the bungalow is, however, not yet finished. The acquisition of the land was finally accomplished, the Deputy Commissioner's award being to the amount of Rs. 144-5-10.

Statement of buildings.

A statement showing the various kinds of buildings under the control of the Department is given in Appendix I.

(b).—Protection of the Forests from Injury.

(1).—General Protection and Breaches of Forest Law.

Forest offences.

12 The statement given below shows the number and classes of forest offences which occurred during the 12 months under report, as well as those in the 15 months preceding.

Nature of offences.	Number		Increase.	Decrease.
	1892-93 (15 months)	1893-94 (12 months).	In 1893-94.	
Injury to forests by fire	104	51	...	53
Unauthorised felling, &c.	576	530	...	46
Grazing without permission	371	287	..	84
Other offences	205	82	...	123
Total	1,256	950	...	306

The decrease of 306 cases during the year may be attributed entirely to the shorter period. It should be explained that the fires in Hazára during May and June are not included in this statement, as under the orders of Government judicial inquiries are to be made every year locally at the close of the fire season, hence the number of cases to be presented is still unknown.

Fire cases fell off by 53, chiefly in Kullu and Bashahr. From the former Division it is reported that this decrease is due to the want of a law under which forest offences can be prosecuted. In Bashahr the cause was the lateness of the season which prevented many outbreaks. Ráwalpindi however shews 16 cases against only one last year, an increase which is accounted for by the incendiarism of the summer of 1894.

Unauthorised fellings in Bashahr fell off by 69, which is attributed to some severe punishments inflicted by the Divisional Officer and the Tika Sáhib, while an increase of 30 in Ráwalpindi is due to the successful patrolling of the Murree bazar, and one of 60 in Jhelum to the extensive floods offering great temptation by reason of the amount of timber lying about. Considerable increases have also taken place in Simla, mainly in Kotkhái and Kotguru where the Forest and Settlement rules seem to be disregarded by the people; one of the most flagrant cases, *viz.*, theft of wood in the Kalela Reserve has been taken up on the spot by the Deputy Commissioner, and it is hoped that such laxity will be speedily stopped.

The decrease in grazing offences may be attributed to the favourable year producing large crops of grass outside the Government forests.

Other offences have decreased by 123, mainly in Bashahr where cases of illicit cultivation have fallen owing to the grant of land to zamindárs from Unclassed Forests. The 82 cases mentioned have been chiefly under the heads of rescue of cattle and of breaches of river rules.

1,128 cases were taken into Court, of which 883 resulted in convictions, or 78·3 per cent., compared with 71·4 per cent. in 1892-93, and 77·5 in 1891-92.

In Kullu the percentage was only 15 as against 78 last year, while that of Bashahr rose from 11 to 73. The decrease in Kullu was entirely due to the absence of any law under which minor forest offences could be prosecuted.

Pending cases have again been reduced this year from 333 to 148, and as usual are principally in Bashahr Division where the decrease has been mainly effected.

Cases compounded

13. The following statement gives information regarding cases compounded under Section 67 of the Forest Act:—

Division.	1892-93. Number of offences	1893-94. Number of offences.	1893-94. Amount for which compounded.	Average amount of compensation in each case	Number of persons implicated.	Average per head
			Rs. a. p.	Rs. a. p.		Rs. a. p.
Hazára	...	145	456 14 11	3 2 5	365	1 4 0
Ráwalpindi	585	593	2,628 5 9	4 6 11	929	2 13 3
Jhelum	520	229	383 13 9	1 10 10	303	1 4 3
Chenáb	72	73	348 1 6	4 15 7	130	2 10 10
Simla Hill Tracts	...	2	1 0 0	0 8 0	2	0 8 0
Ambála	1	8	8 0 0	1 0 0	10	0 12 9
Lahore	60	25	113 14 0	4 8 10	48	2 6 0
Montgomery	...	4	12 12 0	3 3 0	6	2 2 0
Multan	32	20	52 6 0	2 9 11	34	1 8 7
Total ...	1,270	1,099	4,005 3 11	3 10 4	1,827	2 3 1
Total for 1892-93 ...	648	1,270	3,805 15 6	2 15 7	2,047	1 13 9

The statement clearly shows that the amount of compensation levied per head and per case is small, and that only trivial cases are as a rule compounded.

The decrease in Jhelum is explained on the score that offences such as are ordinarily compounded fell off in numbers, while in the numerous river theft cases it was not desirable to accept compensation.

In Hazára the Divisional Officer was during the year empowered to compound offences under Section 37 of the Hazára Forest Regulation, of which permission he availed himself especially in the lower portions of the district.

Hazára Forest Regulation.

14. The Hazára Forest Regulation was sanctioned and published in the *Punjab Government Gazette* of 20th April 1893 as the Hazára Forest Regulation 1893.

(2).—Protection from Fire.

Results of the year.

15. The year has been one of disasters in the matter of fires.

The following areas were attempted to be protected by fire lines; in Hazára and Ambala, however, fire guards were employed as well :—

Division.	Area attempted to be protected.	Failures.	Actually protected.	Cost on fire lines.
	Acres	Acres.	Acres.	Rs.
Hazára	22,574	6,848	15,726	524
Kullu	400	...	400	3
Ambala	2,389	1,380	1,009	99
Multan	5,388	1,500	3,888	29
Total	30,761	9,728	21,023	655

The following is the total area attempted to be protected merely by an additional guard or two :—

	Area attempted to be protected.	Failures.	Actually protected.	Cost.
	Acres.	Acres.	Acres.	Rs.
Punjab	1,72,970	9,237	1,63,738	1,022

Hazára.

In Hazára, in accordance with the orders received in Punjab Government No. 682, dated 9th December 1893, special arrangements were made to protect the forests. Fire lines were made in 7 forests, *viz.*, 2 in Kághán, 1 in Siran and 4 in Khanpur Ranges, the area of which aggregated 22,574 acres; the lines extended over 88 miles costing Rs. 524. The lines were not expected in themselves to keep out fire but to serve as rallying lines and for patrol purposes. A special establishment of 3 jamadárs, 48 guards, and 9 dák runners was entertained at a cost up to the end of June last of Rs. 628, but pay for July has to be added, and many of the men will have to be kept on till the Revenue Assistant has completed his inquiry. It may here be mentioned that one guard has already resigned, the day before his evidence was to be taken, preferring the loss of his appointment to being obliged to give evidence against his neighbours.

Several reasons combined to decide on entertaining local men in preference to outsiders for this fire protection duty, *e.g.*, the local men would have more knowledge of the forests and also of the people, consequently, if honest, could often be of use where a stranger would be useless, their employment it was hoped would, by putting money into the pockets of the people near the forest, interest them in fire protection, and so forth. Mr. Gisborne Smith, the Divisional Officer, spent the greater part of the cold weather in the Khanpur Range, explaining matters to the people, promising them rewards in the shape of cash and of opening unburnt forest for grazing, &c., &c. It was given out that rewards when earned would be publicly distributed by the Commissioner in open Darbár; in short, every inducement was held out to the people to refrain from burning the forests. The result shewn in the statement below is 11,444 acres burnt, of which all but 5 acres were those of which the protection was attempted.

It is impossible to believe that this result is due to accident. The facts, that fires when extinguished by the Forest establishment broke out again in the same or other parts of the same forest, and that in one or two instances men were actually caught spreading fire about in the reserves, prove conclusively that these disastrous fires are due to incendiarism only. It follows then that all our labour and expenditure are thrown away, as no fire lines or fire guards can contend against persons who are determined to fire the forests. The statement here given shews with what persistency the forests have been burnt almost every 2nd year for the last 15 years.

Division	1879-80.	1880-81.	1881-82.	1882-83.	1883-84.	1884-85.	1885-86.*	1886-87.	1887-88.	1888-89.	1889-90.	1890-91.	1891-92.	1892-93.	1893-94.
	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres.	Acres	Acres.	Acres	Acres.
Hazára ..	Not given.	2,113	109	14,350	3,716	13,827	4,460	27,651	253	1,096	23,451	...	30,299	157	11,444
Ráwalpindi	1,24,000	15,925	3,000	6,000	2,618	179	265	49,841	289	2,145	35,064	834	6,715	...	38,097
Kángra .	6,630	*1,0[illegible]0	*1,926	2,140	16,158	464	3	1,543	284	89	985	...	1,329	2	4,213

* Inclusive of Kullu unit.

The cause has often been explained; every 2nd or 3rd year the pine needles form a matted surface through which grass cannot grow and grazing deteriorates, consequently the people burn off the offending leaves. We must acknowledge that our efforts so far have failed to put down this abuse, and the recent legislation has rather reduced than enhanced the power wielded by the Courts, as Section 27 (1), Hazára Regulation No. 6 of 1893, limits the fine which may be imposed on an offending community to double its land revenue for a year However, this is not the place to discuss remedies which will be proposed in a separate report.

Ráwalpindi. In Ráwalpindi no less than 38,007 acres were burnt, almost all between the 29th May and the 10th June 1894; no special measures of protection were undertaken in this Division; but, seeing how useless these measures are in the adjoining and similar forests of Hazára, it appears that Government would not be justified in spending money on such measures as fire lines and fire guards which must prove futile where the fires are wilfully started inside the forests. The percentage of area burnt in Ráwalpindi Forest Division to total area under the Department is 7·78, but in Murree the burnt area is 9·48 per cent. of 1,26,787 acres of all classes, and in Kahúta of 1,43,918 acres, 17·22 per cent. were burnt, other ranges containing no pine trees are not generally subject to incendiarism.

Kángra. In Kángra 14 fires occurred against 1 in 1892-93, burning 4,213 acres against 2 of 1892-93. It is believed that the present unsatisfactory state of the law is to a considerable extent responsible for this increase in fires, for it is well known that nothing can be done except when proof can be obtained against individuals prosecuted under the Indian Penal Code.

Kullu. The same may be said of Kullu, where fires numbered 32, burning 855 acres, compared with 20 fires and 449 acres burnt in 1892-93. It is earnestly hoped that before the next dry season comes on, the forests will have been brought under the operation of Act VII of 1878.

Simla Hill Tracts. In the Simla Hill Tracts it is remarkable that 8 fires occurred in the Dagshái Plantation and 3 in Sabáthu, happily none of them did much harm; they are mainly attributable to the carelessness of the soldiers in the garrisons. It should be mentioned that the aid rendered by the troops was prompt and effectual in putting out the fires which occurred.

Ambála. The fire in the Kalesar Forest in June 1894 has been specially reported to Government, and it will suffice to say here that more than half the protected area and 5,000 acres of the unprotected area were burnt; that the fire, started probably by some graziers to smoke out wild bees in order to get the honey, was blown by a high wind over the ridge on the south of the forest, swept down into the valley across the 60 feet fire lines and the wide bed of the Sukhrau, then crossed the fire line on the outside of the valley, and finally went over the opposite ridge into Sirmur territory. At one time the Extra Assistant Conservator of Forests and the men with him numbering about 150 were surrounded by fire, and only escaped by hiding in a deep ravine. In addition to 6,980 acres burnt, some Rs. 700 worth of sal poles, firewood, and charcoal were consumed.

Montgomery. In Montgomery there were some severe fires in the Chichawatni Range, where 3,925 acres of Kalera, 1,500 acres of No. 57, and 150 acres of No. 58 were burnt. The first of these was due to "munj" collectors taking "huqqás" into the forest contrary to orders; they were punished with 3 months' imprisonment and Rs 5 fine each. No. 57 and Kalera contained coppice 5 and 6 years old, and also, in consequence of flooding from the Rávi, a great deal of Saccharum grass, which grows up with great rapidity and largely increases the fear of fire and its destructiveness. An experiment is being tried of admitting buffaloes to keep down this grass.

Multan. The Multan Division had 13 fires, of which the most destructive was that in Ranúja, Muzaffargarh District, where 1,370 acres of "bhan" (poplar) forest and 40,000 cubic feet of fuel were burnt. The prosecution unfortunately failed.

Statements of areas burnt. 16. The two following statements give the usual information regarding the results of the year:—

Abstract showing areas (in acres) burnt and unburnt.

	Reserves.	Protected Forests.	Unclassed Forests.	Total	Grand Total.	Percentage of area involved.	Percent age of entire area.
Areas of which the protection was attempted but which were burnt (Form No. 53)	16,744	...	2,221	18,965	...	9·31	0·43
Other areas burnt	33,612	10,400	9,711	53,723	...	1·50	1·20
Total areas burnt ...	50,356	10,400	11,932	72,688	72,688	...	1·63
Areas successfully protected (Form No. 53)	1,21,159		63,597	1,84,756	...	90·69	4·14
Other areas which escaped burning ...	8,66,694	1,71,772	24,98,837	35,37,303	...	98·50	79·35
Total areas unburnt ...	9,87,853	1,71,772	25,62,434	37,22,059	37,22,059	..	83·49
Areas on the books but not under the management of the Forest Department	75,417	5,89,608	...	6,65,025	6,65,025	...	14·88
Total area of forests of all classes (Form No 46)	11,13,626	7,71,780	25,74,366	44,59,772	44,59,772	...	100·00

Number of fires and areas burnt in each Division

Division.	Numbers of fires.		Areas burnt in acres.					
			1892-93.			1893-94.		
	1892-93.	1893-94.	Specially protected (Form 53).	Other areas.	Total.	Specially protected (Form 53).	Other areas.	Total.
Hazára	6	32	114	43	157	11,439	5	11,444
Ráwalpindi	...	79	...	...	...	...	38,097	38,097
Jhelum	...	4	...	...	..	...	1,706	1,706
Chenáb	5	11	...	66	66	...	738	738
Chamba	1	5	...	8	8	30	2	32
Kángra	1	14	...	2	2	120	4,093	4,213
Kullu	20	32	5	444	449	4	851	855
Bashahr	9	2	1	337	338	...	2	2
Simla Hill Tracts	1	14	...	...	...	21	62	83
Ambála	...	1	...	...	...	1,380	5,000	6,380
Lahore	7	15	...	320	320	...	952	952
Montgomery	3	10	365	7	372	3,925	1,702	5,627
Multan	8	13	138	1,021	1,159	2,046	513	2,559
Total ...	61	232	623	2,248	2,871	18,965	53,723	72,688

The following statement gives the causes of fires so far as they are known:—

Division.	Forest lighted to obtain fresh grass.		Fires entered from villagers' fields.		Accidental fires and fires due to carelessness.		Caused by Railway engines.		Unknown.		Total.	
Hazára	23	10,065	...	...	1	5	...	...	8	1,374	32	11,444
Ráwalpindi	79	38,097	..	...	...	...	...	...	...	...	79	38,097
Jhelum	1	300	..	...	2	1,400	...	...	1	6	4	1,706
Chenáb	...	...	...	..	4	728	...	...	7	10	11	738
Chamba	1	30	...	...	4	2	...	...	...	..	5	32
Kángra	14	4,213	...	...	...	..	...	...	...	...	14	4,213
Kullu	3	210	6	310	7	287	..	...	16	48	32	855
Bashahr	...	...	...	...	...	...	...	...	2	2	2	2
Simla	...	...	2	62	12	21	...	...	...	...	14	83
Ambála	...	...	1	6,380	...	...	...	...	...	...	1	6,380
Lahore	1	100	1	30	9	697	4	125	...	...	15	952
Montgomery...	...	...	...	...	3	5,575	...	...	7	52	10	5,627
Multan	...	...	4	404	3	1,525	...	..	6	630	13	2,559
Total ...	122	53,015	14	7,180	45	10,240	4	125	47	2,122	232	72,688

(3).—Regulation of Grazing.

Grazing of the year.

17. Forms Nos. 54 and 55, as well as the statement in Appendix II, give figures relating to the grazing of the year. As in the case of last year it has been found necessary to add explanatory remarks to the entries in Form No. 54.

The following statement shows the percentage of available area which was closed entirely or partially during each of the last five years :—

Year.	1889-90.		1890-91.		1891-92.		1892-93.		1893-94.	
Available area ..	Square miles. 5,972		Square miles. 5,964		Square miles. (*a*) 5,930		Square miles. (*b*) 5,830		Square miles. (*c*) 5,929	
	Closed		Closed		Closed		Closed		Closed	
	Entirely.	Partially	Entirely.	Partially	Entirely.	Partially	Entirely.	Partially	Entirely.	Partially
	814	868	885	866	848	894	856	775	825	868
Total area affected	1,682		1,751		1,742		1,631		1,693	
Percentage closed	28·1		29·3		29·3		28·0		28·6	

(*a*). Exclusive of 131 square miles Civil Protected Forests.

(*b*). Exclusive of 223 square miles Civil and Military Reserved and Protected Forests.

(*c*). Ditto 1,039 ditto ditto.

The available area has thus increased by nearly 100 miles, mainly due to the transfer of the Kángra District forests; this addition has been chiefly under the head "open areas."

Total closures.

The net decrease in total closures has amounted to 31 square miles, decreases occurring in Montgomery (48 square miles) and Hazára (16 square miles) where forests were partially opened to reduce the amount of grass and consequent danger from fire; the experiment in Khanpur was also intended to gain the good will of the people but failed signally in this respect. In Kángra a part (32 square miles) of the rakhs transferred from the District authorities remained closed.

Partial closures.

The large increase in partial closures was due to the transfers from total closures in Hazára and Montgomery noted above, as well as to the partial closures of portions of the new Protected Forests in the Chenáb Division amounting to 61 square miles. In Káwalpindi a decrease of 18 square miles partially closed is due to the exclusion in the statement of the Margalla Forest now shown under Military Reserves.

Percentage closed.

Thus while the total area has increased mainly by addition to the open area, the increase of the closed area has been greater in proportion and the percentage of that class has consequently risen.

Regulation of grazing.

18. There is nothing to be added to the remarks on the regulation of grazing in para. 40 of last year's report.

Grass cutting.

Grass cutting was, as usual, permitted in nearly all closed forests.

Cattle trespass.

19. The statement in Appendix III gives the figures for animals impounded during the year; the decreases are mainly in the Káwalpindi, Chenáb, Kángra, Lahore and Multan Divisions, and are mostly to be explained by the fact that figures for last year are for 15 months. If, as may well be assumed, a decrease in the number of cattle impounded means a decrease in the number of cattle trespassing in areas which it is desirable to close, it is satisfactory to notice the decline of trespass in Multan, where the reproduction of the coppice on areas felled for Railway fuel is almost entirely

dependent on the successful exclusion of cattle. In Ráwalpindi, however, compounding under Section 67 of the Forest Act has been freely resorted to in cases of cattle trespass, while in Lahore a larger number of permits has been issued than usual, thus including some cattle which might otherwise have grazed illicitly.

Fencing.

20. The extent of new fencing erected was small: repairs of existing fences were carried out.

(c).—*Improvement of growth.*

(1).—Natural Reproduction.

General remarks on the Divisions.

21. There was a marked absence of seed of all conifers in 1893. The deodar bore very little seed in any of the Divisions; of blue pine there was not quite such a scarcity, but chil pine seed was very rare.

Hazára.

The reproduction of "sanátha" *(Dodonæa viscosa)* in the Khanpur Range is reported as profuse and the quantity of seed on the shrubs in April and May was very great, but both seedlings and seed have been destroyed by the fires of May and June.

In the Siran and Khanpur Ranges chil reproduction was very good, and in the Massar Forest of the Kághán Range measured patches were found to contain on an average a seedling per square foot, but the late fires have destroyed most of the advance growth.

Experiments have been made to test the effect of light grazing to keep down the dense under-growth in the upper forests, and so favour the growth of blue pine and fir seedlings; the success attained is not great, partly owing to want of seed and partly because the cattle did not consume all the herbage which towards the end of the season becomes hard and coarse; these stems become matted together by the action of the snow in winter and prevent the growth of seedlings or even their germination. The experiment will, however, be persevered with, and possibly, as Mr. Gisborne Smith suggests, by allowing cattle to graze in the spring and again in autumn, the desired effect may be attained. The grazing, however, encouraged the growth of oak, maple, chestnut, &c.

Deodar seedlings of former years are said to have done well.

Ráwalpindi.

The remarks about fire apply here also, as an immense area was burnt in Murree and Kahúta in the fortnight, 27th May to 10th June 1894; not only has chil seedling growth been destroyed, but poles and saplings have either been burnt up, or so damaged as to prevent their ever becoming good trees.

Mr. Forrest reports that "outside the areas burnt the natural reproduction of chil and biar (blue pine) in Reserved Forests is very encouraging and satisfactory." In Protected Forests too where grazing is not excessive there is dense young growth.

It is stated that in the higher forests in Murree the oak (*Quercus incana* and *dilatata*) coppice is not successful as the shoots are weak and many die off within 12 months, and the reason suggested is that the trees are felled in April and May when the demand for firewood and charcoal commences, the trees being then full of sap bleed a great deal. There is a difficulty in overcoming long established customs, but efforts will be made to have the trees cut as soon as the forests are open after the winter.

It is satisfactory that the phulai, khair and olive of the lower hills have reproduced well both from stools and seed. The growth of olive from seed is especially encouraging as this has hitherto been almost unknown.

Jhelum.

The Divisional Officer remarks on the great difference in the reproduction of the closed and open areas and notices a village named Choya Dhokri in the Khusháb Range which was formerly on the bank of a ravine, but is now surrounded by boulders and shingle and has lost much of its cultivated area by the extension of the ravine owing to the denudation of the slopes higher up.

Chenáb.

The forests in the Bhera Range which were cut some years ago for Railway fuel are coppicing well. In the Pabbi Reserve the good rain of the summer of 1893 followed by the heavy rain of the winter enabled seedlings to get through the succeeding dry months, so that the reproduction is very good. In the river islands the growth of long grass is harmful and light grazing is advocated; a good deal of damage has been done by heavy floods.

Chamba.

Mr. McIntire has made a close study of deodar reproduction for several years, and results in Chamba seem to show that excessive moisture is the great enemy of the deodar seedling. The good seed year of 1892 produced a heavy crop of seedlings in 1893, but the early and severe rains of that year destroyed large numbers; outside the sphere of the heavy rainfall in drier parts such as Barmaur the seedlings survived. It was noticed too that when seedlings survived the heavy rainfall it was chiefly in bare places or where grazing had kept down the under-growth. But this effect of heavy rain is noticed only in the case of seedlings up to 3 years old, "so that from its fourth year onwards the "seedling grows better where there is a heavy rainfall than in a comparatively dry climate; moreover seedlings "which do manage to establish themselves on the comparatively fresh slopes with rich soils grow into much "better trees than are produced on such situations as crests, ridges, &c. Consequently the old theory, *viz.*, that "deodar prefers dry, well drained slopes, is true only to a very limited extent." Mr. McIntire also thinks that his observations prove that the theory of the covering of dead leaves being the chief obstacle to deodar germination is incorrect.

Kullu.

Mr. Fisher notes that in 1891 and 1893 there were very heavy crops of male deodar cones and no female ones, while in 1892 and 1894 there have been good crops of female and no male cones; this regular alternation does not appear to have been observed previously in Kullu or elsewhere. Wherever browsers gave it a chance the plentiful crop of seedlings of 1892 has done well, but there was no new reproduction in 1893 from want of seed.

Bashahr.

Deodar seedlings from the abundant seed crop of 1892 have survived in great numbers, and it is thought that the unusual length of the winters of 1892-93 and 1893-94 contributed largely to this end. Mr. Minniken is of opinion that in some cases the opening out of the canopy by the selection fellings has been insufficient to provide as much light as is required for the free production of seed, and quotes the case of the Purbani Forest, where the trees bore very little seed even in 1892, and on the other hand states that in Kanáwar, where the fellings have opened out the forest freely, the reproduction, wherever there are seed-bearers, is very satisfactory. Wherever brushwood takes

possession of the soil it is necessary to uncover the seedlings as soon as they appear, to cut back rank herbaceous growth among them after the rains, and to clear off brushwood near seed-bearers before the fall of the seed; these measures have been carried out as far as possible, and the resulting advance growth in the Taranda, Kilba and Kailas Ranges is most satisfactory. In Lower Chini reproduction except in a few forests is not good, owing to the dryness of the climate. In the Dilpa Forest (Pandrabís Range), which was partly exploited some years ago, "seedlings are coming up in dense masses in many places in spite of brushwood."

In the Pabar Range also deodar is increasing and its progress is encouraged by cutting out blue pine which finds a ready sale among the iron smelters. In the Taranda, Nogli, and Pabar Ranges the spread of blue pine is very marked. This improvement in the Pabar Range is due chiefly to the stoppage of forest fires which are now almost unknown.

Simla. The deodar seedlings of 1892 in Kalela Forest are reported to have succeeded.

Ambála. There was a profusion of sal seed in Kalesar and coppice shoots have done well.

Lahore. Mulberry still continues to come up selfsown in abundance in Chánga Mánga, and kikar in certain rakhs which get occasional waterings from overflows of canal or flood water.

Montgomery and Multan. In Montgomery and Multan reproduction both by seed wherever flood water is obtained, and generally by coppice is said to be satisfactory.

(2).—Artificial Reproduction.

Exclusion of areas from Form No. 56. 22. In accordance with the permission conveyed in Punjab Government No. 455, dated 14th September 1894, a large number of plantations hitherto shown in Form No. 56 have been struck off. They are in most cases areas in which cultural operations are not going on, either because they are fully stocked and present no marked features of difference from the forest naturally formed, or else because they are unsuited for further expenditure in this direction. In Kángra and Bashahr, however, it is anticipated that further exclusions will take place in the next annual form.

Expenditure of the year. 23. Expenditure on Regular Plantations has fallen from Rs. 2,253 to Rs 1,231, a decrease which is mainly due to less expenditure on Dagshái and Sabáthu, while a decrease under cultural operations from Rs. 5,484 to Rs 2,432 has been due to restricted work in Chamba, Kángra and Bashahr Divisions.

Chamba. It was found in Chamba that the area prescribed in the Working Plan for cultural operations was in many cases largely in excess of what could be advantageously operated on. In Kálatop the most successful way of planting deodar seems to be on cleared terraces roughly prepared through the undergrowth. Nurseries and transplants everywhere require great attention in the Chamba Forests to protect the plants from being killed by shrubs and herbage. The same applies, but to a less extent, to the Bashahr Forests.

Deodar seed was so scarce in all Divisions that sowing operations were possible only on a very small scale.

Simla Plantations. The following figures give the revenue and expenditure of the three plantations in the Simla Division from the commencement of each.

	Dagshái.	Sabáthu.	Jutogh.
	Rs.	Rs.	Rs.
Revenue	4,515	12,221	994
Expenditure	16,136	15,444	802

Dagshái and Sabáthu. In Dagshái 80 acres and in Sabáthu 60 acres were sown with chil, as compared with 868 acres and 128 acres of 1892-93 (15 months), the reason was the scarcity of chil seed; it is thought that at Jutogh the proportion of chil already established is sufficient, and that it should be restricted to the worst soils, the rest of the area being filled up with hard wood plants which will yield good fuel among which it is hoped that the Robinia will take a prominent position.

(3).—Early Thinnings.

General remarks. 24. There is little to add to what was said on this subject in para. 55 of last year's report. In young crops of deodar, so far as the limited experiments shew, the results are beneficial, but it may even be harmful if applied to older trees which have lost their power of making lateral growth, the altered conditions causing some to die off. Experiments are being conducted in Chamba, Kullu, Simla and Bashahr Divisions, and it is believed that the resulting experience will add considerably to our knowledge of the requirements of deodar in the matter of thinning.

(4).—Other Operations for the Improvement of the Growing Stock.

General remarks, Chamba. 25. In the Chamba Division efforts are being directed to assist the natural reproduction of the deodar. The uncovering of suppressed saplings, referred to in last year's report as of little good, appears at length to have yielded some results, and Mr. McIntire is of opinion that there are few young trees which when uncovered will not after a greater or less interval shew improvement

in growth. Further refinements in this direction are proposed in the way of cutting out the undergrowth around young seedlings a year or so after their germination in good seed years. These operations would have to be conducted with care and the available establishment is at present not equal to it. In the drier parts such as the Bhandal Range in a dry year one danger would consist in cutting out too heavily, while in the moister parts of the Division a similar severity of thinning out might not be sufficient. So far the difficulty in carrying out such operations has mainly been in this fact that they require to be executed at short intervals, and must thus be entrusted to the guards; close supervision by the rangers can only be afforded once in 15 years when the forests come under regular exploitation.

Bashahr.

In Bashahr considerable improvements have been effected by girdling blue pine, firs and hard wood trees when they interfere with the growth of deodar, and young deodar, whether self-sown or the result of artificial sowings or plantings, have where possible been assisted by cutting back jungle growth.

Plains rakhs.

In the plains rakhs of Multan and Montgomery, especially in the former, there is a considerable quantity of badly grown jand (*Prosopis spicigera*), partly the result of coppicings followed by browsing, and partly due to the natural habit of the tree. The cutting back of all this material is required, not only because it will never grow into saleable produce, but also because cutting will increase the number of shoots and suckers considerably, and thus help to fill up the numerous blanks and thinly stocked areas. A beginning of this work was made in Multan during the year.

(5).—EXPERIMENTS.

Robinia and Albizzia.

26. The experiments with the Robinia pseudo-acacia and Albizzia lophantha have been continued with some success.

Hazára.

Here there are some few plants of 6′ to 12′ high in the Khanpur Range at 3,000′, doing well, a few at Abbottabad at 4,000′ not healthy, and 261 at 6,700′ in Nagri bála Forest looking healthy; no new sowings were made in 1894.

Ráwalpindi.

Fifteen seers of seed were sent to this Division, of which half was sown in various places before the rains; the germination was good, but the young plants died off owing to the heavy rain.

Jhelum.

The expenditure in this Division was considerable, Rs. 564, the greater part being for the formation of the nurseries by digging and enclosing with walls or fences. The sowings of 1893 were put in too late in early July, consequently the rain killed every seedling. The nurseries were resown in January 1894, and about half the number of seedlings which germinated were alive at the end of the year. In the Amb Forest nursery Khushál Range about 8,000 Robinia and 200 Albizzia were rooted up by some one on the night of the 1st September 1893; no trace of the offender was found. The few remaining plants were transplanted in January 1894, and again some malicious person pulled up 50 Robinia and 150 Albizzia on 31st March: only 246 Robinia and 1 Albizzia remained at the end of the year.

Chenáb.

Of the sowings of July 1892 in the Pabbi a good many plants survived, till the hot dry weather of May and June 1894 killed them. Their tap roots are said to have reached rock; watering might perhaps have saved them, but the object in view is to find a plant which will grow without attention when once put out of the nursery.

The sowings of 1893 were unfortunate in having heavy rain and long continued attacks of grasshoppers which did much damage to village crops also, success was therefore not attained.

Sowings in January 1894 of 9 lbs. were more fortunate; watering was necessary for these young seedlings for 1½ months till the rains broke. Caterpillars were found cutting the root about 9″ from the surface, and specimens have been sent to the Indian Museum for identification; about 15,000 plants are said to be doing well in the nurseries.

Simla Hill Tracts.

Great success has been obtained at Jutogh, some 3,000 plants of 4 to 12 feet high vary in age from 1—3 years, while 1 tree of 3 years' age exceeds 20′ in height with a girth of 1 foot. Many of these plants have sent out root-suckers which form strong plants in the seed beds after the removal of seedlings for transplanting. Some trees have also seeded this year. The most remarkable case is that of the sowings of March 1893; all the seedlings were transplanted in the following winter, and in July Mr. Hart writes that these beds are again full of flourishing root-suckers, some of which are 8′ 0″ in height and growing vigorously.

Further sowings were made in April 1894, but the seed was received late and the success is not so marked as in the case of the March sowings of 1893; patches in the forest have been sown with some success in June, after a failure in April. Cuttings are being tried and have so far succeeded.

The Simla Municipality have some 5,000 young Robinia from sowings in April 1894.

In Lahore Robinia has failed, but is doing better at Chánga Mánga, also at Bakloh. In Dalhousie a small quantity of seed has been sown with moderate success.

Results obtained.

These details have been given, as the Robinia seems to be the plant which will stock the barren slopes in the dry outer hills.

Albizzia lophantha has been a failure everywhere, and will not be further experimented with.

Miscellaneous.

27. The Spanish Chestnut in Bashahr is very successful, and a considerable quantity of fruit of this season will be distributed.

Eucalypti sp. are not promising and very few survive, out of large quantities of seedlings which have been raised from time to time.

(d).—*Exploitation of Major Forest Produce.*

(1).—Clear or regeneration Fellings.

Clear fellings.

28. Under this head in last year's report was entered the case of a forest area, the transfer of which to the District authorities had been ordered and the entire growth on which it was deemed desirable to exploit before the transfer. This classification was probably not correct, as a regulated felling may be said to be an operation undertaken to procure a young crop. Such an instance as that given above should evidently have been treated of under unregulated fellings.

There are in the Punjab no forests which are treated under the method of clear cuttings, nor are our forests in the hills and elsewhere in such a condition or the natural reproduction in such a state as to justify the employment of the method of regeneration fellings.

(2).—Selection Fellings.

Selection fellings.

29. All deodar fellings in the hills may be classed under this head, for with the exception of the grant of trees in Kullu and Kángra we are now fairly sure that in no case is the number of trees extracted in excess of the possibility of the forest or tract.

Method of exploitation.

There has been no change from the method pursued in former years for the exploitation of the trees, the work being carried on departmentally in all hill forests, except in Ráwalpindi and Kángra where the trees (chil) are sold standing to purchasers. In the Dungagalli Forests of Hazára the trees (blue pine and silver fir) are, as in Kángra, marked by the Divisional Officer, or under his supervision. Some of these are converted departmentally for sale in the depôts, in other cases they are sold to contractors.

In Hazára, Kághán Range, the usual number of deodar trees (300) was exploited, but deodar felling has now been practically stopped in this part, as in Kullu, pending the preparation of a Working Plan.

In Chamba the selection of the trees is carried out with a view to remove all unsound trees capable of yielding a profit on exploitation, trees growing over advance growth or in places in which they could be of no use for seed, or where other trees were standing close by sufficient to give seed. Several trees reckoned by the Working Plan as inaccessible were actually felled, it being considered better to fell them and risk a certain amount of breakage than leave them to stand and decay.

The cuttings in Kullu were chiefly of trees here and there which were either dead or dying, or those which, standing over advance growth, it was desirable to remove.

In Bashahr the branches of a few trees were cut before felling to minimise damage. This point will be more carefully attended to in future, as owing to the steepness of the slopes the damage done in felling is very great.

The following statement shews the number of trees extracted by Government Agency in the different Divisions:—

Kind.	Hazára.	Chamba.	Kullu.	Bashahr.	Total.
Deodar	426	1,965	175	1,419	3,985
Pines, &c.	276	854	1	67	1,198
Total	702	2,819	176	1,486	5,195

The Salvadora over 800 acres of rakhs in the Chenáb Division was sold, as last year, only exploitable trees being extracted.

(3).—Improvement Fellings.

Improvement fellings.

30. The principle on which such operations were in the last year's Annual Report separated from those classed under "other operations for the improvement of the growing stock," was that in the former the work was executed with a view to revenue as well as improvement, while in the latter case no idea of direct revenue was present.

In Chamba in only one instance was the produce of fellings executed to improve the growth of deodar actually saleable.

In the Kalesar Forest the prescriptions of the second year of the Working Plan, together with the balance remaining over from the first, were entirely carried out; 299 acres were thus worked over yielding the following material:—

	Compartment.	Area felled in acres.	Number of trees felled per acre.	Outturn in cubic feet solid. Timber. Per acre.	Timber. Total.	Firewood. Per acre.	Firewood. Total.
	V	88	94	14	1,208	38	3,333
	VI	99	91	35	3,463	303	30,000
	VII	82	142	35	2,850	663	54,400
	VIII	30	110	23	691	489	14,667
Total, 1893-94 ...	...	299	108	27	8,212	342	1,02,400
Total, 1892-93 ...	...	225	...	27	6,149	530	1,19,340

(4).—Coppice Fellings.

Coppice fellings. Details of Divisions.

31. In Ráwalpindi the produce of 2,356 acres prescribed for the year 1894-95, according to the Murree and Kahúta Working Plan, has already been disposed of to merchants, as well as that of 368 acres, the balance from previous years. In Chánga Mánga compartments Nos. 95 to 98 were exploited, the balance (Nos. 99 to 103) of the Working Plan prescription being left unfelled on account of the scarcity of labour. Compartment No. 8 of Shahdara was felled in accordance with the Working Plan.

1,447 acres of Reserves and 3,524 acres of Unclassed Forests in Montgomery, as well as 6,521 acres of Reserves and 1,280 acres of Unclassed Forests in Multan were worked over for the extraction of fuel for the North-Western Railway. In Montgomery the net outturn per acre exploited was 410 cubic feet stacked, while in Multan the figure was 157 cubic feet stacked.

Growth of shisham.

The usual statement of outturn from irrigated and sailába sissu plantations is given below:—

Locality.	Area cut.	Nature of fellings.	Yield of each class of wood. Timber.	Fuel over 2" diam. Cubic feet stacked.	Fuel over 2" diam. Equivalent in cubic feet solid.	Fuel under 2" diam. Cubic feet stacked.	Fuel under 2" diam. Equivalent in cubic feet solid.	Total yield per acre, cubic feet solid.	Total average per acre, cubic feet solid.	Mean annual production, cubic feet solid.
Chánga Mánga	283	Clearance fellings, reserving 15 standards per acre ...	...	5,33,040	2,29,207	1,17,260	14,071	2,43,278	860	57·7
Do. ...	...	Thinnings ...	...	84,971	38,489	4,870	606	39,096	138	
Shahdara ...	74	Clearance fellings, reserving 10 to 20 standards ...	...	1,47,838	63,570	25,166	3,020	66,590	900	70·7
Do. ...	...	Thinnings ...	...	...	...	39,810	17,118	17,118	231	

(5).—Unregulated Fellings.

Unregulated fellings. General remarks.

32. In Kághán 204 trees and poles were cut by the 23rd Pioneers and Bengal Sappers and Miners for use in the construction of bridges on the Kághán road.

The fellings in the Dungagalli Range of Hazára which were last year classified under this head should, it appears, more correctly have been entered under selection fellings, as the Divisional Officer supervises the fellings to quite as great an extent as in Kángra, the fellings in which were then classed as selection. Fellings in some of the Háfizabad rakhs of the Chenáb Division, which have not yet been transferred for colonization, were made by the Irrigation Department. Sissu trees were cut from certain parts of belas which were in danger of being carried away by the river. 5 acres of Thatta Faqirulla were felled to make room for a timber depôt.

The timber-giving in Kullu which occupies so much of the Divisional Officer's time, may be considered as unregulated, as it is not in the least known so far whether the trees granted are in excess of the possibility of the forest or not. In 28 forests, however, on which the greatest demand exists, the Divisional Officer has, apart from the Working Plan Operations, marked all the trees which can be given from them; in this way the fellings in these 28 forests have been regulated, and the same process will be carried out elsewhere.

60 kikar trees were cut and stubbed out in Rakhs Baoli Lehna Singh and Kothála of the Lahore Division. Here again the total number of trees in the two rakhs is known, and that the number felled annually is in accordance with this figure.

(e).—*Extraction and Transport of Major Forest Produce by Land and Water.*

Statement of launching and receipts.

83. The statement given in Appendix IV shows the launching and receipts of deodar and other logs and scantlings. It will be observed that 71,700 pieces of all sorts were launched while 1,11,881 were received at the final sale depôts.

Hazára.

In Hazára in which extraction is almost entirely by logs the average deodar felled in Kághán contained 307·8 cubic feet per tree converted, including wind falls 255·1, with a loss in converting into logs of 9·7 per cent., while the figure for the pine was 225·0 cubic feet with 10 per cent. loss

Average contents of deodar logs	47·8	cubic feet.
Do. blue pine	35·8	do.

These figures compare with the following in Bashahr:—

Average yield of logs per deodar tree	224	cubic feet.
Do. contents of deodar logs	43	do.

Chamba.

In Chamba where the total outturn of the selection fellings on the Rávi is converted into scantlings, the following figures of outturn are available:—

Year.	Average diameter at breast height.	Gross cubic content.	Average yield of logs per tree.	Average outturn of scantlings.	
	Inches.	C. ft.	C. ft.	No.	C. ft.
1891-92	38·2	327	212	26	89
1892-93	37·4	315	173	28·	96
1893-94	37·4	385	200	32·7	112
Average	37·7	372	195	28·8	99

As the average wastage per tree is so very much larger in the Chamba figures than in those for Hazára, it is probable that the former includes branches, &c., and the latter only the bole; a uniform mode of measurement will be arranged so that useful comparisons of outturn may be made in future.

A large quantity of sleepers on the Rávi were detained at Shahpur and arrived at Shahdara after the close of the year. It should be noted that in Chamba the time taken for sleepers to reach the depôts will continually increase owing to the greater distances of the forests which are now being worked. The average time taken for a log to reach the plains on the Rávi is 10 years.

9,151 logs, 2,94,549 cubic feet, were converted into 47,137 sleepers and other scantlings with a contents of 1,64,675 cubic feet, resulting in a loss in conversion of 44 per cent. of the log volume converted. This figure compares with 58 and 45 per cent. in the fellings of 1891-92 and 1892-93, respectively.

As the fellings now carried out bear primarily on trees which it is desirable to get rid of, the dead or dying, those which show no promise of improvement, and so forth, as described in para. 29, and not, as in former years, on the finest trees which would yield the largest outturn, it follows that the proportion of scantling obtained is small compared with the quantity of wood cut in log. It is only by dint of very close supervision on the part of the Divisional Officer that such good results have been obtained.

In addition to the exploitation of trees prescribed by the working plan, a considerable amount of work was carried out in the extraction of sleepers from logs and other pieces left as refuse in the forests felled between 1886 and 1890. Besides deodar, blue pine sleepers and scantlings are extracted from the Upper Rávi Forests whenever such trees are found growing in the same forests as the deodar to be exploited; the fir experiment mentioned in para. 83 of last year's annual report was continued; but it is at present too early to decide upon the results of the undertaking. The launchings amounted to 56,945 scantlings out of a total available quantity of 81,096.

Countings of deodar logs in the Rávi have been made for the last 3 years, with the result that in December 1893 12,900 logs against 16,335 in December 1891 and 15,542 in December 1892 were enumerated. The figures given by the Divisional Officer show that the logs move very slowly in the upper channels, the figures being 6,935 and 5,478 in 1891 and 1893, respectively. The season for rafting was exceptionally bad as the heavy summer rains of 1893 produced several floods; a record winter flood occurred in March 1894, while on the 19th and 20th June 1894 another summer flood occurred; the collections were consequently not nearly so large as they might otherwise have been. The logs and sleepers cut in Pangi in 1892-93 and 1893-94 have only just begun to arrive at the Chenáb depôts, but the floods of July 1893 have filled the depôts on that river and on the Jhelum with drift pieces.

Bashahr.

In the Bashahr Division considerable blasting operations were undertaken on the Wangar and Panang streams to render them more suitable for floating. In 3 forests 22 checkwalls aggregating 1,66,723 cubic feet and 1,55,901 square feet of rolling road were constructed In Rushnang Forest a sleeper path 285 chains long was made.

Chánga Mánga tramway.

34. The following details up to end of the year under report furnished by the Lahore Divisional Officer are given regarding the working of the Chánga Mánga tramway:—

The total amount of fuel extracted since the commencement of working, reduced to solid cubic feet carried one mile, is equal to 62,40,702 cubic feet solid or 36,70,000 maunds.

The cost of extracting this quantity has been as follows:—

	Rs.
Interest on Capital outlay at 4 per cent.	8,146
Wear and tear	11,220
Working expenses	14,474
Total	33,840

or Rs. 0·92 per 100 maunds carried one mile. If we had employed country carts, the only other means of transport, at the present rates for the extraction of this fuel, it would have cost Rs. 24,048, effecting a saving of Rs. 8,892; on the other hand it must be remembered that we could not obtain hired carts in sufficient numbers to extract such a quantity of fuel without raising the rates for such transport considerably. Again working the tramway we are enabled to continue extraction almost throughout the year and are nearly independent of villagers and their harvests which elsewhere interfere so much with the supply of labour.

The following figures show that the longer the lead the more does it pay us to use the tramway in preference to carts:—

Block.	Distance.	Quantity carried.	Cost.	
			Tramway.	Cart.
	Miles.	C. ft. solid.	Rs.	Rs.
I and II	2¼	12,20,600	13,537	6,525
III and IV	4¾	14,27,528	20,083	18,423

Multan.

35. In Multan an attempt was made to exploit the outturn in fuel of the Mailsi Forests by boating it to Adamwáhán on the Sutlej; from thence it is railed at the expense of the Railway to Multan; the distance by river is about 100 miles. The year under report is the first time the attempt has been made on a large scale, and only 40,125 cubic feet were then extracted. The work was experimentally started in 1892-93, when unfortunately one of the boats containing fuel sank.

(*f*).—*Exploitation of Minor Forest Produce.*

(1).—Extraction of Fodder.

Revenue from fodder grass.

36. The statement annexed shows the value of grass removed from the forests during the year under report compared with the figures of the previous 12 months.

	Government Agency.	Purchasers	Free grants.	Right-holders.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
Reserved Forests	88	26,278	24	3,234	29,624
Protected Forests	...	...	...	...	...
Unclassed Forests	450	2,862	2	43,817	47,131
Total	538	29,140	26	47,051	76,755
Total Forest year 1892-93 (12 months)	735	35,661	25	47,051	83,472

A decrease under fodder removed by purchasers appears to have occurred in Hazára, but no special reason is adduced for this difference.

In Hazára grass to the amount of 8,806 head-loads (value Rs. 139) was removed by the 23rd Pioneers employed on repairing the Kághán road.

In Ráwalpindi 35,125 acres were leased to the Commissariat Department and 23,006 acres to the Military Grass Committee for grass-cutting, realizing Rs. 4,796.

The grass at Dagshái and Sabáthu was sold to the Commissariat Department for Rs. 2,000, while nearly 800 maunds were collected at Jutogh.

The Arbi grass reserve in Multan was not very successful during the year, only 350 maunds of hay being made and sold to the 15th Bengal Lancers.

(2).—Grazing.

Revenue from grazing.

37. The value of grazing in the different classes of forests during the year under report as well as the figures for the preceding 12 months is given in the statement below—

	Government Agency.	Purchasers.	Free grants.	Right-holders.	Total.
		Rs.	Rs.	Rs.	Rs.
Reserved Forests	...	37,611	7	43,150	80,768
Protected Forests	...	18,037	...	87,014	1,05,051
Unclassed Forests	...	1,15,604	237	11,567	1,27,408
Total	...	1,71,312	244	1,41,731	3,13,287
Total for Forest year 1892-93 (12 months)	...	1,90,327	190	1,46,068	3,36,585

Revenue from grazing cannot well be checked with figures of previous years, as the period for which the grazing leases are given is, as in the case of most of our other working seasons, cut in half by the forest year.

It is therefore impossible to explain any differences between figures of the year under report and those of the preceding 12 months. It may be noted, however, that the Chenáb total was less in 1893-94 by Rs. 23,000 under purchasers, and that of Ráwalpindi by Rs. 6,000.

Number of animals which grazed.

In para. 96 of last year's annual report a rough estimate of the total number of cattle grazing in the forests was made; the figure arrived at for the year under report amounts to about 16 or 17 lakhs of animals, the reason for the decrease being that the grazing leases of two years, which are sold in April and May of each year, were for some Divisions included in the figures for 1892-93, owing to the period for which that year's report was compiled.

Average number of animals per acre.

A rough calculation of the average number of animals which grazed over one acre works out to 1·66 for the Divisions in which data are available, but the variations are considerable and the results not very reliable. Endeavours will be made to procure more accurate figures for the next report.

(3).—Miscellaneous Produce.

Revenue from miscellaneous produce.

38. The following table gives similar figures to those given in paras. 36 and 37 for minor produce, including bamboos, other than grass and grazing:—

	Government Agency.	Purchasers.	Free grants.	Right-holders.	Total.
	Rs.	Rs.	Rs.	Rs.	Rs.
Reserved Forests	8,433	4,631	2,596	50	15,710
Protected Forests	...	9	..	...	9
Unclassed Forests	954	3,968	...	44,240	49,162
Total	9,387	8,608	2,596	44,290	64,881
Total for Forest year 1892-93 (12 months).	9,601	10,944	789	48,175	69,509

The only difference of note occurs under right-holders in Kullu, but as the estimate of quantities thus removed is exceedingly vague it does not appear necessary to attempt to explain it.

CHAPTER III.—GROSS YIELD AND OUTTURN OF FOREST PRODUCE.

(a).—*Departmental Operations.*

Produce.		Year. 1892-93.	Year. 1893-94.	Increase.	Decrease.
		Cubic feet.	Cubic feet.	Cubic feet.	Cubic feet.
TIMBER.					
(1). Clear or regeneration fellings		...	...	...	...
(2). Selection fellings		6,22,033	8,44,175	2,22,142	...
(3). Improvement fellings		6,405	14,978	8,573	...
(4). Coppice fellings		4,340	...	...	4,340
(5). Unregulated fellings		1,012	943	...	69
Total Timber		6,33,790	8,60,096	2,26,306	...
Fuel	C. ft.	24,16,038	23,62,739	...	53,299
Bamboos	Nos.	4,13,036	5,02,884	89,248	...
Grazing and fodder grass	Rs.	735	538	...	197
Minor produce	Rs.	71	334	263	...

39. The principal operations in the matter of timber departmentally extracted have been in Hazára, Chamba, and Bashahr.

Work of the year.

Hazára.

In Hazára the work was somewhat hindered by the presence of troops in the Kághán valley which rendered the collection of labour difficult; 1,22,223 cubic feet of logs were extracted against 1,43,213 cubic feet in the previous 12 months.

Chamba.

In Chamba proper timber is as a rule not extracted in the log, the Rávi being a bad floating stream for such, but the method is employed in Pangi where fellings have been recently made; the increase in logs, viz., 1,22,223 cubic feet, being due to those extracted in Pangi. The increase in scantlings was also partly due to the fellings in Pangi, but as well to apparent increases in Upper Rávi and Dalhousie. Figures for the working seasons, that is, for the financial years, show almost equal outturns. The Divisional Officer remarks that "figures taken only for the Forest years prove very little as the proportion of work done from April to June varies very greatly from year to year."

Bashahr.

In Bashahr 3,02,518 cubic feet of logs and 14,825 cubic feet of scantlings were extracted against 3,46,486 cubic feet of logs and 10,865 cubic feet of scantlings in the previous year.

Simla and Kullu.

In Simla 3,022 cubic feet of timber were utilized for the construction of a forester's hut at Kotkhái. In Kullu 4,138 cubic feet of sleepers were extracted against 6,493 cubic feet last year. Felling operations in this Division are nearly at a standstill pending the preparation of the Working Plan. The trees were all dry, and in a few cases standing over advance growth, thus their removal was necessary.

We pay yearly Rs. 500 to the Rája of Mandi for the right to collect waif wood in the Beás where it passes through his State; pieces aggregating 1,286 cubic feet of timber were collected in accordance with this arrangement against 501 in the previous year.

Ambála.

In Ambála the Kalesar working yielded 8,082 cubic feet of poles against 4,977 cubic feet in the previous year. The fellings of the year extended over the balance of the area prescribed for 1892-93. Besides the above, the Kalesar fellings yielded 1,02,400 cubic feet solid (1,53,600 cubic feet stacked) of firewood. This amount added to the balance at the commencement of the year gave 2,94,110 cubic feet stacked; 18,250 cubic feet of this quantity were sold, 1,23,600 carbonized, 13,910 lost by shrinkage, and a balance of 1,38,350 cubic feet should have remained; unfortunately a destructive fire, described elsewhere in this report, entirely consumed 41,930 cubic feet of this balance, so that only 96,420 cubic feet stacked remain, which will be converted into charcoal during the ensuing cold weather.

Of the 1,23,600 cubic feet stacked in kilns for conversion into charcoal 99,580 cubic feet were actually so carbonized, yielding 5,500 maunds of charcoal. Experiments showed that with dry wood, an outturn of 13·81 per cent. by weight of charcoal was obtained; the remainder of the kilns were destroyed in the fire. So far the sale of the charcoal, on which the whole success of the Kalesar exploitations is to depend, has not been very successful; it appears that retailing it does not pay, the loss in wastage being as much as 20 per cent., and probably the Railway will prove our chief market.

Lahore.

In Lahore 3,63,427 cubic feet were extracted against 6,30,823, the reason for this falling off is explained by the fact that only 4 compartments out of the 9 prescribed in Chánga Mánga were felled on account of the difficulty of obtaining labour. 2,74,814 cubic feet solid (7,28,040 cubic feet stacked) were yielded by Chánga Mánga; 73,060 cubic feet (1,88,049 cubic feet stacked) by Shahdara; and 10,185 (23,086 cubic feet stacked) by Jhok.

In Montgomery and Multan fuel operations were more successful than in the previous year; the outturn in the former is very creditable to the Divisional Officer, Mr. Rossiter, being the largest since departmental operations were undertaken, amounting to the considerable total of 12,28,329 cubic feet solid. The arrangements for delivery to the North-Western Railway have been now renewed on the basis of a guarantee of a much smaller amount than it was customary to attempt to work out in former years. It has been decided to keep a stock in reserve to be delivered during the next year, instead of as formerly delivering fuel immediately it was stacked on the Railway line. The result of this system was that if, from any cause, labour for cutting or transport fell short, the anticipated quantity was not delivered. These inconveniences will now be obviated by delivering early in each year a large proportion of the guaranteed amount collected in the preceding year.

Railway fuel exploitations.

Work in Multan, it is found, has now to be extended over much larger areas than was the custom formerly; this change is partly due to the Kabírwála Reserves having been nearly worked out and partly to the quantity of over mature jand fuel in the Mailsi Reserves which, on account of their distance from the Railway line, we were prevented from working by the low rates for fuel prevailing. These rates have now been raised to what will give us a profit, though a very small one, on working.

Endeavours are being made to work out the poplar forests which grow on the banks of the Indus and Chenáb, but many are far away from the line, and transport difficult and expensive to arrange for.

40. 89,248 more bamboos were exploited by Government Agency in Kángra during 1893-94 than in 1892-93, but no reason has been given by the Divisional Officer.

Bamboos and other minor produce.

Minor produce exploited by Government Agency presents no features for comment.

(b).—*Removal of Produce by Purchasers.*

Produce.		Year. 1892-93.	Year. 1893-94.	Increase.	Decrease.
TIMBER.		Cubic feet.	Cubic feet.	Cubic feet.	Cubic feet.
(1). Clear or regeneration fellings		...	...	...	...
(2). Selection fellings...		4,29,026	1,98,567	...	2,30,459
(3). Improvement fellings		1,140	297	..	852
(4). Coppice fellings		4,446	6,445	1,999	...
(5). Unregulated fellings		93,169	1,02,667	9,498	...
Total Timber		5,27,700	3,07,976	...	2,19,814
Fuel	C. ft.	9,29,377	13,38,782	4,09,405	...
Bamboos	Nos.	5,389	27,936	22,547	.
Grazing and fodder grass	Rs.	2,25,988	2,00,452	...	25,536
Minor produce	Rs.	10,863	8,412	...	2,451

41. There is a considerable increase in the number of trees cut in Hazára owing to the requirements of the 23rd Pioneers for the repair of roads in Kághán, viz., 204 trees and poles. A large decrease in timber occurs in Ráwalpindi which appears to be due to the outturn of the prescriptions as regards timber of the Murree and Kahuta Working Plan for 1893-94 which were carried out in the last 3 months of the forest year 1892-93, being larger than usual, while considerable balances from previous years were worked off, thus abnormally increasing the outturn of 1892-93. There was also a falling off in purchasers' timber in Kángra.

Produce removed by purchasers.

Under fuel in Hazára there has been an increase of nearly 60,000 cubic feet, thus explained, that a large amount of fuel, over 63,000 cubic feet, sold to the Commissariat Department has been included in the outturn of 1893-94 which properly belongs, at least to some extent, to the outturn of 1894-95. This is another example of the way in which the forest year cuts into the working season. 2,000 maunds of firewood were removed by the 23rd Pioneers and Bengal Sappers and Miners employed on the Kághán road.

Removal of fuel in Hazára.

In Ráwalpindi Protected Forests the increase in fuel must be attributed to the large outturn of the prescriptions of 1893-94, which, under timber, was mentioned above as occurring in the forest year 1892-93, but which, under fuel, was realised in the forest year 1893-94. The departmental operations do not go on steadily through the working seasons extracting every month equal quantities of produce, and it is therefore impossible to suppose that traders will do so. It may consequently often happen that at the end of one season and in the beginning of the next a great deal of work may be done, while in the other halves of those seasons much less may be extracted. Great variations would thus occur in the forest years while but little in the actual working seasons.

Ráwalpindi fuel.

An increase of about 1,15,000 cubic feet in the Chenáb Division is due to the sale of fuel from the Háfizabad rakhs on the Chenáb Canal abandoned for cultivation.

Chenáb.

In Multan a considerable increase took place due to the sale to traders of a number of large billets of poplar fuel which exceeded the limits fixed by the Railway.

Multan.

A considerable increase in the number of bamboos sold in Kángra Division occurred, for which no reason can be given; it was probably the forest year; the financial year's figures showed a decrease.

Bamboos.

Rupees 25,000 decrease under grazing is evidently due to the same cause, for the figures of the two financial years show that the receipts in 1893-94 exceeded those of the previous year by nearly Rs 16,000.

Grazing.

(c).—*Free grants of Forest Produce.*

Produce.		Years. 1892-93.	Years. 1893-94.	Increase.	Decrease.
TIMBER		Cubic feet.	Cubic feet.	Cubic feet.	Cubic feet.
(1) Clear or regeneration fellings		.	...	...	...
(2). Selection fellings		3,26,697	3,52,510	25,818	...
(3) Improvement fellings		...	...	.	..
(4). Coppice fellings		...		...	...
(5). Unregulated fellings		25,186	28,426	3,240	...
Total Timber		3,51,883	3,80,936	29,053	.
Fuel	C. ft.	51,033	47,357	...	3,676
Bamboos	Nos.	...		.	.
Grazing and fodder grass	Rs.	215	270	55	...
Minor produce	Rs	789	2,596	1,807	...

Detail of free grants.

42. The following is the detail of the more important free grants made during the year :—

Hazára.—2 deodar logs = 60 cubic feet to 23rd Pioneers for repairing a bridge on the Kághán road. 5,821 cubic feet firewood and 1,440 head loads of grass consumed by officials and their servants in the gullies (*Punjab Government No.* 417 *dated 30th August* 1888).

Bashahr.—15,111 trees (3,52,210 cubic feet) inclusive of 330 deodar (13,590 cubic feet) were granted to villagers to repair their houses damaged by the winter's snowfall.

Kullu.—587 trees (inclusive of 93 deodar) yielding 28,300 cubic feet of miscellaneous timber were granted to the Kullu Local Board for the repairs of bridges and other public works.

Jhelum.—41,536 cubic feet of fuel granted in Jhelum Division to officers and others of the Salt Department under *Punjab Government No.* 968½, *dated 20th October* 1863. 10,38,400 cubic feet stone were granted mainly to the Chenáb Canal Works against 3,15,652 cubic feet in the last 12 months.

Lahore.—The Mahant of Bhái Pheru in the Lahore District was permitted to graze 205 cattle free during the year.

(d).—*Produce removed by Right-holders and under Privileges.*

Removals by right-holders.

43. The following figures shew the cubic contents in timber and fuel, and the value of the minor produce removed by right-holders:—

Produce.		Years. 1892-93.	Years. 1893-94.	Increase.	Decrease.
TIMBER.		Cubic feet.	Cubic feet.	Cubic feet.	Cubic feet.
(1). Clear or regeneration fellings		.	.	...	...
(2). Selection fellings		69,717	1,11,801	42,084	...
(3). Improvement fellings		..	...	...	
(4). Coppice fellings		.	...	..	...
(5). Unregulated fellings		3,39,045	8,95,246	5,56,201	..
Total Timber		4,08,762	10,07,047	5,98,285	..
Fuel	C. ft	2,49,40,113	2,49,20,566	...	19,547
Bamboos	Nos.			...	...
Grazing and fodder grass	Rs	1,93,119	1,88,782	...	4,337
Minor produce	Rs.	48,175	44,290	...	3,885

There is an increase of timber in Ráwalpindi in 1893-94 over the figures of 1892-93 of 45,488 cubic feet. The rise is said to be due simply to the fact that the civil authorities in 1893-94 issued passes more freely than in former years.

A very considerable increase of 8,01,426 cubic feet against 2,16,032 cubic feet last year has occurred in timber made over to villagers in Kullu, owing to the much freer way in which the Assistant Commissioner granted trees than has been the practice in former years. In addition to this large number given to zamíndárs from Government Forests, 3,889 deodars were felled by them on their own land against 513 in the previous year, the reason for this increase being the failure of the law to punish them, in the numerous cases when they felled the trees without permission.

(e).—Summary of Produce removed from the Forests.

44. The following table gives in a summarized form the entire yield of the forests during the year under report, as well as the figures for the previous 12 months :—

Summary of outturn.

Agency.	Timber.	Fuel.	Bamboos.	Grass and grazing.	Minor produce.
	c. ft. solid.	c. ft. solid.	Nos.	Rs.	Rs.
Government Agency	8,60,096	23,02,789	5,02,884	538	334
Purchasers	3,07,976	13,38,782	27,936	2,00,452	8,412
Free grants	3,80,938	47,357	...	270	2,596
Right-holders	10,07,047	2,49,20,566	...	1,88,782	44,290
Total 1893-94	25,56,055	2,80,69,444	5,30,820	3,90,042	55,632
Total 1892-93 Forest year ...	19,22,225	2,83,36,561	4,19,025	4,20,057	59,898

The following statement gives the rates realised on timber and firewood extracted by Government Agency since 1886-87 :—

Year.	Timber sold.	Fuel sold.	Gross price realised.		Rate.	
			Timber.	Fuel.	Per cubic foot solid.	Per 100 cubic feet stacked.
	C. ft. solid.	C. ft. stacked.	Rs.	Rs.	Rs. a. p.	Rs. a. p.
1886-87 – 1888-89	21,45,449	54,79,422	14,26,634	2,60,664	0 10 8	4 12 2
1889-90	7,83,352	19,45,544	4,37,589	98,226	0 8 11	4 14 9
1890-91	4,37,837	54,84,989	2,13,473	2,95,105	0 7 11	5 6 0
1891-92	8,01,503	45,90,436	4,15,777	2,43,115	0 8 4	5 5 1
1892-93	5,97,672	49,12,145	3,00,541	2,60,993	0 8 0	5 5 0
1893-94	8,19,620	57,60,661	2,69,080	3,02,153	0 5 8	5 4 0

The very low all-round rate for timber for the year under report is due to the auction on the Sutlej alluded to in para. 46 at which very reduced rates were accepted to clear off old stock.

(f).—Imports.

45. Under the orders of Government a separate report dealing with the timber trade of the Province both in the past and future is being drawn up, in which full consideration will be given to the imports of forest produce. It will be sufficient in this place to give an abstract of the figures of the year which will be found more in detail in Appendix VII.

Imports.

Description of Timber.	Financial year 1891-92.	Forest year (15 months) 1892-93.	Forest year (12 months) 1893-94.
	No.	No.	No.
Deodar logs	38,916	22,199	26,304
Pine logs	1,867	272	451
Sleepers	6,03,228	4,18,463	2,41,963
Scantlings	53,409	25,464	1,71,398

In Kashmir the sleepers extracted on the Chenáb are, it is stated, mainly landed and sold within the State territory, while on the Ravi traders' work has been considerably stopped.

The supervision of the Jhelum River recently undertaken in Hazára has resulted in the report of a large number of chil scantlings imported from Kashmír and Púnch State into Ráwalpindi District, it may be noted that the figures for these imports only comprise the 6 months since the river operations were commenced.

It is understood that fellings have been stopped in the Mandi State mainly because the forests have been exhausted. Therefore, when the present stock of sleepers has been launched, there will be no further import of deodar viâ the Sutlej and Beas Rivers.

CHAPTER IV.—FINANCIAL RESULTS.

General summary of financial results.

46. The revenue of the forest year (12 months) 1893-94 amounted to Rs. 9,43,789, the expenditure for the same period was Rs. 6,53,456 and surplus Rs. 2,90,333. The increase in the surplus compared with the financial year 1892-93, when it was only Rs. 1,56,367, is satisfactory, though as regards timber it cannot be said that the dullness of the market referred to in last year's Annual Report has, to any great extent, been modified.

The increase under A*Ia* was due to a clearance auction of accumulated stock on the Sutlej at which the prices obtained were not high, though the net amount realised increased the receipts in the Ambála Division by Rs. 54,000.

In the matter of fuel, however, prospects brightened considerably, and large sales at improved prices took place in Lahore, clearing out nearly the whole of the Chánga Mánga stock, while in Montgomery and Multan contractors were more successful in working out fuel.

The floods of July 1893 were the most noteworthy features of the year under report, the revenue and expenditure under RIII and AIII being much the largest on record with one exception, *viz.* 1883-84, when an unusually heavy expenditure was disbursed to obtain a revenue which was realised during several succeeding years. The work of collection and disposal of the drift timber is still proceeding on the Jhelum, on which river the main floods took place. A rough enumeration of pieces stranded on banks and belas has been made, giving about 86,000 cubic feet timber and 40,000 cubic feet scraps below the Jhelum Depôt.

Under the head of expenditure the charges have been lower than any financial year since 1888-89 and yet under revenue-making expenditure (AI, II, and III) we have not fallen off; the heavy charges during the last few years on account of the Bashahr Survey and Working Plan, as well as for the improved irrigation of Chánga Mánga, have now ceased, reducing the expenditure under works of improvement; it should, however, be noted that surveys of some of the Chamba Forests are now to be undertaken, and the water rent of Chánga Mánga, it is believed, is to be raised, so that these savings will be, to some extent, only temporary, while the Shahpur Forest Settlement, only a small proportion of the expenditure on which finds place in the figures of 1893-94, will tend still further to reduce the current year's surplus.

The payment of the share of profits to the Chamba Rája, which so reduced our surplus in 1892-93, did not occur in the year under report, but a much larger sum will be debitable during 1894-95 on this account.

Other heads of A. expenditure present no features for comment, though a change in the classification of the water rent of Chánga Mánga from A VIII*e* to A VII*c* may be noted.

Under Establishments savings which accrued under pay and travelling allowance of controlling staff were balanced by the addition of the exchange compensation allowance.

Abstract of Form No. 65.

47. The following is an abstract of Form No. 65 shewing the financial results under the three heads of work :—

	Financial year.		Forest year (12 months).			
	1891-92.		1892-93.		1893-94.	
	Surplus.	Deficit.	Surplus.	Deficit.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I. Departmental Timber Operations ...	3,31,873	...	1,61,488	...	2,65,762	...
II. Other Revenue	2,30,328	...	1,78,291	...	1,83,094	...
III. Protection, &c.	...	1,84,401	...	1,65,958	...	1,58,523
Total ...	3,79,800	...	1,73,821	...	2,90,333	...

The proportion of gross revenue spent on protection and improvements amounted to 17 per cent. in 1893-94, as compared with 22 per cent. in the previous 12 months; of this amount 10 per cent. was spent on roads and buildings, while 90 per cent. was expended on other works of protection and improvement.

Outstandings of revenue.

48. The outstandings of revenue amounted to Rs. 77,232 against Rs. 74,229 at the commencement of the year. Our grazing leases, which are always paid in instalments, are sold in April, consequently at the close of the forest year only a small proportion of the lease money has been collected, and a large outstanding remains. This result is one of the many inconveniences of the forest year. Such outstandings are, however, fully realised during the following year.

Outstandings against contractors and disbursers.

49. The amount outstanding against contractors and disbursers at the close of the year was Rs. 24,124 against Rs. 30,088 at the commencement of the year. As usual, the large proportion was in Bashahr in the hands of the Divisional treasurer. The forest year cuts right through the working season in our Hill Divisions, and this fact combined with the peculiar conditions in the Bashahr State render the retention of large balances necessary.

Result of the year's transactions.

50. The following is the result of the year's transactions:—

	Forest year 1893-94. Rs.
Cash surplus	2,90,333
Add—	
Increased outstandings (Form No. 63)	3,003
Deduct—	
Decreased value of stock at depôts (Form No. 60) ...	24,804
Total in favour of the year ...	2,68,582

Results by Divisions.

51. Appendix VIII shows the financial results of each Division after adjustment of accounts between Hill and Plains Divisions. Of the Divisions which show a deficit it may be noted that a quantity of sleepers and scantlings were purposely held over in the Chamba Division for sale during 1894-95 in place of rafting to Lahore during the winter of 1893-94, and then holding a forced sale in March 1894.

The present method of adjusting accounts between Kullu and Kángra seems open to some objections and will be revised shortly, with the result, it is anticipated, of reducing the deficit in the former Division.

Revenue from Simla Forests.

52. We have to bear the entire cost of the Simla Hill States Division, while we receive revenue only from the 3 small plantations, Sabáthu, Dagshái, and Jutogh. The profit from the Simla Forests goes to the Municipality, and this source of income may be necessary for it, but there is no apparent reason why the revenue of the Kotkhái and Kotguru Forests should be credited to the Civil Department. This anomaly seems to call for a remedy.

CHAPTER V.—FOREST ADMINISTRATION.

Chánga Mánga irrigation.

53. The proposal for a renewal of the lease for the irrigation of Chánga Mánga is under consideration, and it seems probable that a large increase in the annual payment to the Irrigation Department will have to be agreed to.

54. Some trouble has been experienced in connection with river boundaries, which give rise to a most difficult class of boundary disputes. The records of one Settlement do not always agree with those of a previous one; customs regarding the land affected by river action vary very greatly, and, at best, it is most difficult to lay down an absolutely correct boundary. Two cases where small areas were involved have been settled by compromise, the Department keeping half the land in dispute, and giving up the other half to the claimants. One important case is still under reference to the Financial Commissioner; orders have been issued to have the lines demarcated and surveyed with reference to permanent marks above the influence of the rivers, and this is being done; but it is not so easy to carry into practice as it would appear.

River boundary disputes.

55. The Department has been much undermanned in all grades. The sudden death of the Conservator Mr. Whittall, in February 1894, caused a vacancy which has not been filled up. The transfer of the Working Plans Officer Mr. Reuther to Baluchistán, after the reconstituted Division had been at work for only three months, left no alternative than to place in charge Mr. Coventry, a junior officer who had only just joined the Province. At the close of the year another demand was unexpectedly made on the staff by the transfer of Mr. Minniken to officiate as Conservator in the Central Provinces. Thus all the Extra Assistant Conservators, except Mr. Fazl-ud-dín employed in the Working Plan Division, were in charge of Divisions, five for the entire year and the 6th for nearly 4 months with every probability of remaining permanently in charge. If a single officer were to break down in health or require urgent leave we should have no one to take charge of his Division.

Strength of the controlling staff.

The loss to the Department caused by Mr. Whittall's death was very great; it has already been commented on in an appreciative notice in the Government of India Review of his report for 1892-93.

56. Some improvement in the prospects of the protective staff is urgently needed. We have some men with Ranger's Certificate, who have served for three years and are still drawing only Forester's pay, and there are several good Rangers who deserve promotion which we are unable to give for want of funds.

Remarks on subordinate staff.

On the other hand, some of the men with Ranger's Certificate are most unsatisfactory; one was reduced for insubordinate conduct of a most flagrant type, he subsequently resigned his appointment having, it is understood, secured a better one in a Native State. Another holder of Ranger's Certificate was degraded for repeated neglect of duty and general incompetency. Two other Rangers and Foresters have been punished by reduction or fine. These cases cause a great deal of trouble, as during the last year or two almost every subordinate punished has thought it necessary to exercise his right of appeal to the uttermost. One Forester died and one retired.

The pay of the lowest grade of guard Rs. 5 is much too small and should be increased. The Divisional Officer, Chamba, brings to notice the fact that the improvement of the forests depends largely on the quality of the guards in charge of head beats. If they are capable of carrying out orders intelligently they can get through an immense quantity of improvement work, looking after seedlings, clearing herbage, &c., which cannot be properly done by hired labourers even when they are procurable, but we cannot expect to get such men for Rs. 5 per mensem.

57. The increasing poverty of the Department remarked on in para. 114 of last year's report is a very serious matter. The year's surplus happens to be considerably larger than that of 1892-93, but the process of alienation of land in the plains, chiefly for cultivation in consequence of the extension of canals, still goes on, and with it the surplus must decrease. The whole of the Gandian Rakh is to be brought under the plough, and other areas in the Lahore Division have been, or are to be, given up; while the financial pressure prevents the execution of the scheme for an irrigated plantation on the Chenáb Canal which would probably be a profitable scheme and repay us to some extent for the loss of land elsewhere.

The poverty of the Department.

However, as the forest and waste lands outside the Government areas become denuded or pass under cultivation, the Government forests will be more and more indispensable to the country, and if the net revenue yielded be not very high, the indirect benefit will increase; even now the value of material and grazing given free, or at nominal prices, reaches the sum of Rs. 5,87,576 which, if taken into account, would bring up the total surplus for the year to Rs. 8,77,909.

Village forests in Hazára.

58. Rules for the village forests of Hazára under Section 16 (1), of the Hazára Forest Regulation, which were agreed upon by the Deputy Commissioner and Forest Officer as long ago as January 1892, have recently reached the Financial Commissioner, who has called for the opinion of the Conservator, and it is hoped that these rules in some form or other will speedily issue, as in the interval the village forests are suffering severely from illicit fellings and sales, which cannot be prevented for want of establishment. It is desirable that adequate protective establishment should now be appointed under the control of the Divisional Forest Officer, who will thus be in a position to prevent the denudation of the village waste lands, which is reported to have gone on to such an extent, that already those of 7 villages in Kághán, 2 in Siran, 20 in Dungagalli, and 7 in Khanpur Ranges have been laid almost bare.

STATEMENTS.

Form No. 46.

AREA OF RESERVED FORESTS, 1893-94.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1894.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
			Departmental Reserves.							
Hazára.	Dungagalli	Hazára ...	Dungagalli Reserves.	40,714	63·62	...	(a) 2	40,712	63·61	Punjab Government Notification No. 211, dated 27th March 1894.
	Kághán ...	Do. ...	Kághán Reserves.	57,487	89·82	...	...	57,487	89·82	
	Siran ...	Do. ...	Siran Reserves.	20,986	32·79	...	...	20,986	32·79	
	Khanpur ...	Do. ...	Khanpur Reserves.	31,786	49·67	...	...	31,786	49·67	
			Total ...	1,50,973	235·90	...	2	1,50,971	235·89	
Rawalpindi.	Ráwalpindi	Ráwalpindi	Ráwalpindi Reserves.	24,377	38·09	...	...	24,377	38·09	
	Kála Chitta	Do. ...	Attock Reserves.	5,474	8·55	...	...	5,474	8·55	
	Fatehjang	Do. ...	Fatehjang Reserves.	15,846	23·97	...	...	15,340	23·97	
	Kahúta ...	Do. ...	Kahúta Reserves.	40,999	64·06	...	...	40,999	64·06	
	Murree ...	Do. ...	Murree Reserves.	30,330	47·39	...	(b) 5	30,325	47·38	
	Kála Chitta and Fatehjang.	Do. ...	Kála Chitta Reserves.	93,037	145·38	...	...	93,037	145·38	
			Total ...	2,09,563	327·44	...	5	2,09,558	327·43	
Jhelum.	Jhelum ...	Jhelum ...	Jhelum Reserves.	83,625	130·66	...	...	83,625	130·66	
	River ...	Do. ...	Reserved Belas	737	1·15	...	(c) 20	717	1·12	Financial Commissioner, Punjab's letter No. 7794, dated 9th December 1893.
	Talagang ...	Do. ...	Talagang Reserves.	24,671	38·55	...	...	24,671	38·55	
	Chakwál ...	Do. ...	Chakwál Reserves.	14,689	22·95	...	...	14,689	22·95	
	Pind Dádan Khan.	Do. ...	Pind Dádan Khan Reserves.	68,489	107·01	...	...	68,489	107·01	
			Total ...	1,92,211	300·32	...	20	1,92,191	300·29	
Chenáb.	Chenáb River	Gujrát ...	Gujrát Reserves.	1,755	2·74	...	(d) 6 } (e) 1 }	1,748	2·73	Punjab Government Notification No. 341, dated 25th June 1894.
	Chenáb ...	Do. ...	Kathála Plantation.	548	0·86	...	(e) 9	539	0·84	
	Pabbi ...	Do. ...	Pabbi Plantation.	24,907	39·06	...	...	24,997	39·06	
	Phálián ...	Do. ...	Phálián Reserves.	18,762	29·31	...	(f) 7	18,755	29·30	
	Gujránwála	Gujránwála	Gujránwála Reserves.	896	1·40	...	...	896	1·40	
	Chenáb River	Do. ...	Thatta Faqírulla.	628	0·98	...	...	628	0·98	
			Total ...	47,586	74·35	...	23	47,563	74·31	
Chamba.	Pangi ...	Chamba ...	Pangi Forests	25,750	40·23	...	...	25,750	40·23	
	Dalhousie...	Do. ...	Dalhousie Forests.	4,592	7·17	...	...	4,593	7·17	
	Bhándal ...	Do. ...	Bhándal Forests.	9,797	15·30	...	...	9,797	15·30	
	Tisa ...	Do. ...	Tisa Forests	23,834	37·24	...	...	23,834	37·24	
	Barmaur ...	Do. ...	Barmaur Forests.	19,378	30·27	...	(g) 1,586	17,787	27·81	
	Chamba ...	Do. ...	Chamba Forests.	17,975	28·09	(g) 1,586	...	19,561	30·55	
			Total ...	1,01,321	158·30	1,586	1,586	1,01,321	158·30	

Form No. 46.

AREA OF RESERVED FORESTS, 1893-94—*continued.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
			Departmental Reserves—*continued.*							
Kangra.	Dera ...	Hoshiárpur	Dera Reserves	14,913	23·30	...	...	14,913	23·30	
	Do. ...	Kángra ...	Do. ...	11,066	17·29	...	...	11,066	17·29	
	Núrpur ...	Do. ...	Núrpur Reserves.	9,402	14·69	...	...	9,402	14·69	
			Total ...	35,381	55·28	...	...	35,381	55·28	
Bashahr.	Neogli ...	Simla ...	Neogli Reserves.	38,932	60·83	682	354	39,260	61·34	
	Taranda ...	Do. ...	Taranda Reserves.	15,813	24·71	1,443	532	16,724	26·13	
	Kilba ...	Do. ...	Kilba Reserves	6,483	10·13	...	...	6,483	10·13	
	Kailás ..	Do. ...	Kailás Reserves.	14,968	23·39	...	...	14,968	23·39	
	Chíni ...	Do. ...	Upper Chíni Reserves.	6,135	9·59	...	...	6,135	9·59	
	Do. ...	Do. ...	Lower Chíni Reserves.	10,039	15·68	52	...	10,091	15·77	
	Pandrabís...	Do. ...	Pandrabís Reserves.	18,540	28·97	1,123	1,677	17,986	28·10	
	Pabar ...	Do. ...	Pabar, Giri and Rupin Forests.	6,125	9·57	3	355	5,773	9·02	
			Total ...	1,17,035	182·87	(*h*) 3,303	(*h*) 2,918	1,17,420	183·47	
Simla Hill Tracts.		Simla ...	Kotguru ...	1,454	2·27	...	...	1,454	2·27	
			Kotkhái ...	6,663	10·41	...	...	6,663	10·41	
			Total ...	8,117	12·68	...	...	8,117	12·68	
Ambala.	Phillour ...	Jalandhar...	Jalandhar Plantation.	51	0·07	...	...	51	0·07	
	Do. ...	Do. ...	Phillour Plantation.	220	0·34	...	...	220	0·34	
	Ludhiána ...	Ludhiána ...	Ludhiána Plantation.	197	0·31	...	...	197	0·31	
	Do. ...	Ambala ...	Jagádhri Plantation.	197	0·31	...	...	197	0·31	
	Kalesar ...	Do. ...	Kalesar Reserves.	11,570	18·08	...	...	11,570	18·08	
			Total ...	12,235	19·11	...	...	12,235	19·11	
Lahore.	Chúnián ...	Lahore ...	Chánga Mánga Plantation Circle.	10,132	15·83	...	...	10,132	15·83	
	Do. ...	Do. ...	Chánga Mánga Rakh Circle.	10,041	15·69	...	...	10,041	15·69	
	Lahore ...	Do. ...	Shahdara Plantation.	1,396	2·18	12	17	1,391	2·17	
	Do. ...	Do. ...	Carob Plantation.	23	0·04	...	...	23	0·04	
	Sharakpur	Do. ...	Sadhanwáli Plantation.	349	0·54	...	...	349	0·54	
	Do. ...	Do. ...	Jhok Plantation.	2,976	4·65	...	5	2,971	4·64	
	Detached ...	Amritsar ...	Amritsar Reserves.	3,010	4·70	...	2	3,008	4·70	
			Total ...	27,927	43·63	(*e*) 12	(*e*) 24	27,915	43·61	

Form No. 46.

AREA OF RESERVED FORESTS, 1893-94—*continued.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
			Departmental Reserves—*concluded.*							
Montgomery.	Gugera ...	Montgomery	Gugera Reserves.	22,510	35·17	...	...	22,510	35·17	
	Montgomery	Do. ...	Montgomery Reserves.	18,607	29·07	...	...	18,607	29·07	
	Chichawatni	Do. ...	Chichawatni Reserves.	14,618	22·84	...	...	14,618	22 84	
	Pákpattan...	Do. ...	New Soház Reserves.	8,378	13·09	...	(d) 8,378	...	...	Punjab Government Notification No. 395, dated 14th July 1893.
			Total ...	64,113	100·17	...	8,378	55,735	87·08	
Multan.	Kabírwála...	Multan ...	Kabírwála Reserves.	42,780	66·84	60	...	42,840	66·94	Punjab Government Notification No. 561, dated 8th November 1893.
	Lodhrán ...	Do. ...	Lodhrán Reserves.	7,728	12 08	...	...	7,728	12·08	
	Mailsi ...	Do. ...	Mailsi Reserves.	28,886	45·13	...	...	28,886	45·13	
	Multan (Arbi).	Do. ...	Arbi ...	...	...	348	...	348	0·54	Punjab Government Notification No. 375, dated 28th June 1893.
			Total ...	79,394	124·05	(i) 408	...	79,802	124·69	
			Total Departmental Reserves ...	10,45,856	1,634·10	5,309	12,956	10,38,209	1,622·14	
			Military Reserves.							
		Ráwalpindi	Margala Reserves.	11,200	17·50	...	...	11,200	17·50	
		Do. ...	Rakh Dhumiál and part of Rakh Adiála.	...	...	(i) 2,061	...	2,061	3·22	Punjab Government Notification No. 575, dated 14th November 1893.
		Jhelum ...	Bola Saila ...	934	1·46	...	...	934	1·46	
		Chamba ...	Bakloh ...	134	0·21	...	...	134	0·21	
		Jalandhar	Sarangwál Bir, No. I.	753	1·18	...	...	753	1·18	
		Jalandhar	Sarangwál Bir, No. II.	132	0·21	...	...	132	0·21	
		Lahore ...	Military Reserves.	13,624	21·29	...	...	13,624	21·29	
		Dera Ismail Khan.	Rakh Bandán	3,775	5·90	...	...	3,775	5·90	
		Hissár ...	Hissár Birs ...	41,101	64·22	...	...	41,101	64·22	
		Ambala ...	Chhapar and Bujra Birs.	...	...	(l)1,693	...	1,693	2·65	Punjab Government Notification No. 435, dated 14th August 1893.
		Total Military Reserves		71,653	111·97	3,754	...	75,407	117·84	

Form No. 46.

AREA OF RESERVED FORESTS, 1893-94—*concluded.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
		Civil Reserves.								
		Jhelum ...	Bela Píra Ghaib.	10	0·02	...	...	10	0·02	
		Total Civil Reserves...		10	0·02	...	...	10	0·02	
		Grand Total ...		11,17,519	1,746	9,063	12,956	11,13,626	1,740	
		Grand Total for 1892-93...		10,97,576	1,715	61,329	41,386	11,17,519	1,746	

(*a*). Ceased to be a Reserved Forest and transferred to the Military Department.
(*b*). Correction of previous returns owing to error in Settlement records, &c.
(*c*). Made over to zamíndárs under Had-i-Sikandri rule.
(*d*). Ceased to be a Reserved Forest and transferred to the District authorities.
(*e*). By river action.
(*g*). Transferred from one range to another.
(*h*). Corrections of previous returns according to Forest Survey.
(*i*). By Notification.

Abstract of changes during the year.

			Acres.
Area at commencement of year			11,17,519
Added—			
By correction of areas	3,303		
„ transfer from one Range to another	1,586		
„ river action	12		
„ notification	4,162	9,063	
Excluded—			
By correction of areas	2,930		
„ transfer to Military Department	2		
„ „ to District authorities...	8,384		
„ river action	34		
„ Had-i-Sikandri rule...	20		
„ transfer from one Range to another	1,586	12,956	
Net deduction			3,893
Area at close of year ...			11,13,626

Form No. 46.

AREA OF PROTECTED FORESTS, 1893-94.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893.		Added during the year.	Excluded or transferred to other heads.	Area on 30th June 1894.		No. and date of Notification of addition or transfer.
				Acres.	Equivalent in square miles.	Acres.	Acres.	Acres.	Equivalent in square miles.	
1	2	3	4	5	6	7	8	9	10	11
					Departmental.					
Rawalpindi.	Murree ...	Râwalpindi	Murree Protected Forests.	23,150	36·17	..	(a) 88	23,062	36·03	
	Kahûta ...	Do. ..	Kahûta Protected Forests.	20,114	31·43	...	...	20,114	31·43	
			Total ...	43,264	67·60	...	88	43,176	67·46	
Chenab.	Bhera ...	Shahpur ...	Bhera Protected Forests.	...	...	1,38,996	...	1,38,996	217·18	Punjab Government Notification No. 254, dated 24th April 1894.
			Total ...	...	...	(b) 1,38,996	...	1,38,996	217·18	
		Total Departmental Protected Forests		43,264	67·60	1,38,996	88	1,82,172	284·64	
					Civil.					
		Kohât ...	Khwârra ...	58,881	92·00	...	...	58,881	92·00	
		Do. ...	Zira ...	25,261	39·47	...	...	25,261	39·47	
		Shahpur ...	Bhera Protected Forests.	...	...	7,466	...	7,466	11·66	Punjab Government Notification No. 254, dated 24th April 1894
		Do. ...	Shahpur Protected Forests	...	...	2,25,401	...	2,25,401	352·19	Do.
		Do. ...	Khushâb Protected Forests	...	...	2,72,599	...	2,72,599	425·94	Do.
		Total Civil Protected Forests.		84,142	131·47	(b) 5,05,466	...	5,89,608	921·26	
			Grand Total	1,27,406	199	6,44,462	88	7,71,780	1,206	
		Grand Total for 1892-93...		3,08,007	481	...	1,80,601	1,27,406	199	

(a). Correction of previous returns owing to error in Settlement records.
(b). By Notification.

Abstract of changes during the year.

		Acres.
Area at commencement of year		1,27,406
Added—		
By notification	6,44,462	
Excluded—		
By correction of areas	88	
Net addition		6,44,374
Area at close of year		7,71,780

Form No. 46.

AREA OF UNCLASSED FORESTS, 1893-94.

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres	Excluded or transferred to other heads. Acres	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
Rawalpindi.	Kahúta ...	Ráwalpindi	Kahúta Range Rakhs undemarcated.	82,800	129 38	...	...	82,800	129·38	
	Murree ...	Do.	Murree Range Rakhs undemarcated.	73,400	114·69	..	...	73,400	114·69	
	Ráwalpindi	Do.	District Rakhs	3,260	5·09	...	...	3,260	5·09	
	Fatehjang	Do.	Do.	4,841	7 56	...	...	4,841	7 56	
	Pindi Gheb	Do.	Do.	64,893	101·40	...	(a) 57	64,836	101·31	Punjab Government Notification No. 3006, dated 10th May 1894.
			Total ...	2,29,194	358·12	...	57	2,29,137	358·03	
Jhelum.	Khusháb ...	Shahpur ...	Khusháb Rakhs	1,32,942	207·72	...	...	1,32,942	207 72	
	River ...	Jhelum ...	Unreserved Belas.	25	0·04	...	(b) 25	...	...	
	Jhelum ...	Do.	Jhelum Rakhs	6,710	10·48	...	...	6,710	10 48	
	Chakwál ...	Do. ...	Chakwál do.	14,119	22·06	...	...	14,119	22·06	
		Do. ...	Talagang do.	12,218	19·09	...	..	12,218	19·09	
			Total ...	1,66,014	259·39	...	25	1,65,989	259·35	
Chenab.	Gujránwála	Gujránwála	Gujránwála unclassed.	20,070	31 36	(c) 12	(c) 45 (d) 58	19,979	31·22	
	Belas ...	Do.	Belas unclassed	1,455	2 27	(c) 26	(c) 1	1,480	2·31	
	Do. ...	Gujrát ...	Do. ...	7,093	11·08	(a) 1 (b) 25	(c) 22 (a) 86	7,011	10·96	
	Do. ...	Do. ...	Kathála Plantation.	5	0·01	...	...	5	0·01	
	Bhera ...	Shahpur ...	Bhera unclassed	1,38,880	217·00	(c) 116	(f) 1,38,996	...	...	
	Belas ...	Siálkot ...	Belas ...	92	0·14	...	...	92	0·14	
	Pabbi ...	Gujrát ...	Jhelum Belas	353	0·55	(e) 1	(c) 3 (e) 10	341	0·53	
	Jhang ...	Jhang ..	Sirwála Block	27,144	42·41	...	(d)11,845	15,299	23·90	
			Total ...	1,95,092	304 82	181	1,51,066	44,207	69·07	
Chamba.	River ...	Gurdáspur	Gurdáspur Rakhs.	8,882	13·88	...	...	8,882	13·88	
			Total ...	8,882	13·88	...	...	8,882	13·88	

Form No. 46.

AREA OF UNCLASSED FORESTS, 1893-94—*continued.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
Kangra.	Dera ...	Kángra ...	Dera Range Rakhs.	2,03,569	318 07	...	(h) 84	2,03,485	317·95	
	Do. ...	Hoshiárpur	Hoshiárpur Rakhs.	82,890	129 51	...	...	82,890	129 51	
	Núrpur ...	Kángra ...	Núrpur Range Rakhs.	91,285	142 63	...	(h) 2	91,283	142 63	
	Kángra ...	Do. ...	Kángra Range Rakhs.	...	...	(g) 98,047	...	98,047	153 20	Punjab Government No. 451, dated 21st Augt. 1893.
			Total ...	3,77,744	590·21	98,047	86	4,75,705	743 29	
Kullu.	Upper Kullu	Kángra ...	Upper Kullu Range.	71,322	111·44	...	...	71,322	111·44	
	Lower Kullu	Do. ...	Lower Kullu Range.	25,493	39 83	2	...	25,495	39·83	
	Inner Sahráj.	Do. ...	Inner Sahráj Range.	69,903	109·22	...	...	69,903	109·22	
	Outer Sahráj.	Do. ...	Outer Sahráj Range.	58,550	91 48	...	...	58,550	91·48	
	Waziri Rúpi	Do. ...	Wazíri Rúpi Range.	1,22,777	191·81	2	...	1,22,779	191·84	
	Do. ...	Do. ...	Lahoul ...	2,680	4 19	...	...	2,680	4 19	
	Do. ...	Do. ...	Proposed protected undemarcated State Forests.	3,89,844	609·13	12	(i) 25 (h) 433	3,89,398	608 43	
			Total ...	7,40,569	1,157·13	(i) 16	463	7,40,122	1,156·43	
Bashahr.	Kilba ...	Simla ...	Kilba ...	7,875	12·30	...	5	7,870	12·29	
	Kailás ...	Do. ...	Kailás Range	8,743	13·66	...	...	8,743	13·66	
	Chíni ...	Do. ...	Chíni Range	2,555	3 99	...	2	2,553	3·99	
	Pandrabís	Do. ...	Pandrabís ..	12,981	20 28	...	1	12,980	20·28	
	Neogli ...	Do. ...	Neogli ...	5,129	8 01	...	...	5,129	8 01	
	Taranda ...	Do. ...	Taranda ...	6,785	10·60	...	8	6,777	10 59	
	Pabar ...	Do. ...	Pabar, Rupin and Giri Forests.	90,486	141·31	...	...	90,486	141 31	
			Total ...	1,34,504	210·15	...	(h) 16	1,34,488	210·13	

Form No. 46.

AREA OF UNCLASSED FORESTS, 1893-94—*continued.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
Simla Hill Tracts.	Jutogh ...	Simla ...	Jutogh Plantation.	115	0·18	...	...	115	0·18	
	Sabáthu ...	Do. ...	Sabáthu ...	394	0·61	...	...	394	0·61	
	Dagshái ...	Do. ..	Dagshái ...	400	0·63	(*i*) 1	(*j*) 3 (*i*) 1	397	0·62	Punjab Government letter Nos. 414 and 604, dated 31st July and 24th November 1893, respectively.
			Total ...	909	1·42	1	4	906	1·41	
Lahore.	Chúnián ...	Lahore ...	Chúnián Rakhs	1,03,476	161·68	...	(*d*) 44	1,03,432	161·61	Punjab Government No. 234, dated 11th April 1894.
	Lahore ...	Do. ...	Lahore Rakhs	11,494	17·96	...	(*d*) 15	11,479	17·94	Punjab Government No. 383, dated 16th July 1894.
	Do. ...	Do. ...	Kot Lakhpat	600	0·94	...	...	600	0·94	
	Sharakpur	Do. ...	Sharakpur Rakhs.	73,456	114·77	1,838	(*c*) 1	75,293	117·65	
			Total ...	1,89,026	295·35	(*c*) 1,838	60	1,90,804	298·14	
Montgomery.	Gugera ...	Montgomery	Gugera Rakhs	2,17,788	340·29	(*k*) 509	(*l*) 100 (*h*) 8	2,18,189	340·92	Financial Commissioner, Punjab's No. 4291, dated 27th June 1893.
	Montgomery	Do.	Montgomery Rakhs.	87,055	136·02	(*k*) 311 (*o*)19,267	...	1,06,633	166·61	Punjab Government Notification No. 431, dated 15th September 1893.
	Chichawatni	Do.	Chichawatni Rakhs.	1,80,286	281·70	(*k*) 50	(*m*) 2 (*o*)19,267	1,61,067	251·67	Commissioner and Superintendent, Lahore Division's No. 81, dated 28th March 1894. Financial Commissioner, Punjab's No. 6182, dated 5th October 1893.
			Total ...	4,85,129	758·01	20,137	19,377	4,85,889	759·20	

Form No. 46.

AREA OF UNCLASSED FORESTS, 1893-94—*concluded.*

Division.	Range.	Civil District or Territory.	Name of Forest.	Area on 1st July 1893. Acres.	Area on 1st July 1893. Equivalent in square miles.	Added during the year. Acres.	Excluded or transferred to other heads. Acres.	Area on 30th June 1894. Acres.	Area on 30th June 1894. Equivalent in square miles.	No. and date of Notification of addition or transfer.
1	2	3	4	5	6	7	8	9	10	11
Multan.	Lodhran ...	Multan ...	Lodhrán Rakhs	21,200	33·12	...	...	21,200	33·12	
	Mailsi ...	Do.	Mailsi ...	17,491	27·33	...	...	17,491	27·33	
			Makhdúm Rashíd.	348	0·54	...	(n) 348	...	...	
	Sanáwán ...	Muzaffargarh	Sanáwán ...	7,798	12·19	...	...	7,798	12·19	
	Muzaffargarh	Do.	Muzaffargarh	10,420	16·28	...	(e) 31	10,389	16·23	
	Alipur ...	Do.	Alipur ...	26,836	41·15	50	(e) 1,027	25,859	39·62	
	Rájanpur ...	D. G. Khan	Rájanpur ...	16,000	25·00	...	...	16,000	25·00	
	D. G. Khan	Do.	D. G. Khan ...	2,000	3·12	...	(m) 2,000	...	...	Punjab Government No. 99, dated 12th December 1892.
			Total ...	1,01,593	158·73	(e) 50	3,406	98,237	153·49	
		Grand Total ...		26,28,656	4,107	1,20,270	1,74,560	25,74,366	4,022	
		Grand Total for 1892-93		24,79,705	3,874	1,55,452	6,501	26,28,656	4,107	

(a.) Transferred to Mári-Attock Railway.
(b.) Transferred from one Division to another owing to river action.
(c.) Correction of previous returns owing to remeasurement, &c.
(d.) Transferred to Canal Department.
(e.) By river action.
(f.) Transferred to Protected Forests.
(g.) Transferred from District authorities.
(h.) Leased for cultivation.
(i.) By exchange.
(j.) Transferred to Military Department.
(k.) Formerly given on cultivation but now reverted to Government.
(l.) Transferred to the new township of Okára.
(m.) Transferred to Civil authorities.
(n.) Transferred to Reserved Forests.
(o.) Transfer from one range to another.

Abstract of changes during the year.

			Acres.
Area at commencement of year			26,28,656
Added—			
By transfer from one Division to another	25		
„ correction of areas	1,902		
„ river action	52		
„ transfer from District authorities	98,047		
„ exchange	17		
„ reversion to Government of areas formerly given on cultivation	870		
„ transfer from one range to another	19,267	1,20,270	
Excluded—			
By transfer to Mári-Attock Railway	57		
„ „ from one Division to another	25		
„ correction of areas	72		
„ transfer to Canal Department	11,962		
„ river action	1,154		
„ transfer to Protected Forests	1,38,996		
„ leases for cultivation	545		
„ exchange	29		
„ transfer to Military Department	3		
„ „ to new township of Okára	100		
„ „ to Civil authorities	2,002		
„ „ to Reserved Forests	348		
„ „ from one range to another	19,267		
		1,74,560	
Net deduction			54,290
Area at close of year			25,74,366

FORM No. 47.

STATEMENT SHOWING THE PROGRESS MADE IN, AND THE EXPENDITURE INCURRED ON, FOREST SETTLEMENTS DURING 1893-94.

Form No. 47.

STATEMENT SHOWING THE PROGRESS MADE IN, AND THE EXPENDITURE INCURRED ON, FOREST SETTLEMENTS DURING 1893-94.

Name of Forest Division.	Name of Civil District or Territory.	Area already settled at commencement of the year.	AREAS FINALLY SETTLED DURING THE YEAR. Number and date of Government order according final sanction to the Settlement.	Name of Forest settled.	Area in square miles.	Expenditure incurred during the year on areas finally settled. In Forest accounts.	In other accounts.	Entire cost per square mile of areas finally settled during the year.	AREAS UNDERGOING SETTLEMENT. At commencement of the year. Name of tract.	Area in squares miles.	Taken in hand during the year. Name of tract.	Area in square miles.	Expenditure incurred during the year on areas undergoing Settlement. In Forest accounts.	In other accounts.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
		Sq. Ms.				Rs.	Rs.	Rs.					Rs.	Rs.	
						Reserved Forests.									
Hazára ...	Hazára ...	236	...	...	...	...	...	...	...	...	...	...	...	...	
Ráwalpindi ...	Ráwalpindi ...	345	...	...	...	...	...	...	...	...	...	...	...	...	
Jhelum ...	Jhelum ...	302	...	...	...	...	...	...	...	...	...	...	...	...	
	Shahpur ...	...	...	...	...	...	...	...	...	...	Khusháb Rakhs	195	274	...	
Chenáb ...	Gujránwála	2	...	...	...	...	...	...	...	...	...	...	...	...	
	Gujrát ...	72	...	...	...	...	...	...	Belás ...	*11	...	...	...	...	
	Siálkot ...	...	...	...	...	...	...	...			...	...	...	...	
	Jhang ...	...	...	...	...	...	...	...	...	...	Pakka Mári	24	...	...	Punjab Government Notification No. 370, dated 12th August 1892, cancelled by Notification No. 238, dated 13th April 1894, whereby the area of Pakka Mári has been reduced from 42 square miles to 24 square miles.
	Shahpur ...	...	...	...	...	...	...	...	...	...	Bhera Rakhs	217	200	...	
Chamba ...	Chamba State	...	...	...	...	...	...	...	...	...	...	...	...	...	
	Gurdáspur	...	...	...	...	...	...	...	Shahpur Kandi.	14	...	...	...	...	
Kángra ...	Hoshiárpur	23	...	...	...	...	...	...	...	...	...	...	...	...	
	Kángra ...	32	...	...	...	...	...	...	...	...	...	...	...	...	
Kullu ..	Kángra ...	...	...	...	...	...	...	...	...	62	...	...	...	...	
Bashahr ...	Simla ...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Simla Hill Tracts ..	Do. ...	13	...	...	...	...	...	...	...	...	...	...	...	...	
Ambala ...	Jalandhar } Ludhiána }	2	...	...	...	...	...	...	...	...	...	...	...	...	
	Ambala ...	18	...	...	...	...	...	...	...	...	...	...	...	...	
Lahore ...	Lahore ...	60	...	...	...	...	...	...	...	...	...	...	...	...	
	Amritsar ...	5	...	...	...	...	...	...	...	...	...	...	...	...	
Montgomery...	Montgomery...	100	...	...	...	...	...	...	...	...	...	...	...	...	

Multan ...	Multan ...	124	Punjab Government Notification No. 561, dated 8th November 1893. Punjab Government Notification No. 375, dated 28th June 1893.	Dangra, Arbi	1	...	...	...	...	...	Kabírwála	5	...	...	
	Hissár ...	64	...	...	...	...	...	...	...	...	...	...	...	...	
	D. I. Khan ...	6	...	...	...	...	...	...	...	...	...	...	...	...	
Total Reserves ...		1,404	...	...	1	...	...	...	...	87	...	441	474	...	1,404 square miles are exclusive of 159 square miles of Reserves in Chamba Division and 183 square miles in Bashahr.
Protected Forests.															
Ráwalpindi ...	Ráwalpindi ...	68	...	...	...	...	...	...	...	...	...	...	...	...	
Chenáb ...	Shahpur ...	...	Punjab Government Notification No. 254, dated 24th April 1894.	Bhera Rakhs.	217	...	...	...	...	...	...	...	...	...	
Kángra ...	Kángra ...	...	...	...	...	...	...	...	Núrpur, Dera & Hamírpur.	50	...	...	...	...	
Kullu ...	Do. ...	...	...	...	...	...	...	...	...	†486	...	...	...	...	
Civil Protected Forests.	Shahpur ...	...	Punjab Government Notification No. 254, dated 24th April 1894.	Bhera Rakhs.	12	...	...	...	...	...	...	...	...	...	These areas were notified under Section 28 as Protected Forests in Punjab Government Notification No. 254, dated 24th April 1894, and again as proposed Reserved Forests under Section 4 in Punjab Government Notification No. 358, dated 28th June 1894.
				Shahpur Rakhs.	352	423	...	1	...	..	...	...	...	...	
				Khushâb Rakhs.	426	619	...	1	...	...	...	...	...	...	
Total Protected Forests ...		68	...	...	1,007	1,042	...	1	..	536	...	...	...	...	68 square miles are exclusive of 131 square miles of Civil Protected Forests.

* Siálkot District, 0·14 square miles.
Gujrát do. 11·12 square miles.
† Last year's return corrected.

Form No. 48.

RECORD OF DEMARCATION AND MAINTENANCE OF BOUNDARIES, 1893-94.

Division.	Length of boundaries artificially demarcated during the year.	Length of previously existing boundaries repaired.	Length of previously existing boundaries not repaired.	Total length of artificially marked boundaries at the close of the year.	Length of boundaries not demarcated at the close of the year.	Length of natural boundaries not requiring artificial marks.	Total length of boundaries at the close of the year.	Expenditure on demarcation during the year. On new works.	Expenditure on demarcation during the year. On repairs.	Remarks.
1	2	3	4	5	6	7	8	9	10	11
	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Miles.	Rs.	Rs.	
Hazára	...	41	643	684	...	...	684	...	209	Rupees 209 are exclusive of Rs. 42 spent on cutting boundary lines to define clearly the guzára limits.
Ráwalpindi (outer perimenter)	...	169	1,390	1,559	...	135	1,694	54	200	Rupees 370 spent on cutting boundary lines or narrow strips along the boundary demarcated by pillars are not included, as they are merely supplementary to the existing demarcation for more clearly defining the boundary.
Do. (Chak do.) ...	...	6	96	102	212	...	314	...	...	
Jhelum	...	...	483	483	459	1	943	...	...	Rupees 1,516 spent on Shahpur Forest Settlement have not been shown in this return.
Chenáb	...	106	413	519	153	8	680	...	284	
Chamba	...	...	856	856	...	...	856	...	376	
Kángra	...	661	28	689	3,684	...	4,373	228	303	Rupees 228 shown in column 9 for new works is on account of 222 *extra* large pillars added to existing boundary lines at salient points, hence the work done for this amount has not been shown in column 2.
Kulla	...	36	1,272	1,308	...	798	2,106	...	18	
Bashahr	...	60	650	710	200	150	1,060	...	83	
Simla Hill Tracts ...	...	34	61	95	...	...	95	...	227	Rupees 107 charged to A VIII*g*. A VIII*a* = Rs. 147 A VIII*g* = „ 7.
Ambala	...	7	32	39	...	...	39	...	154	
Lahore	...	49	582	631	...	12	643	...	344	
Montgomery	...	10	185	195	...	...	195	...	1	Length of boundary of reserves only.
Multan	1	434	107	542	73	3	618	8	151	2,040 pillars repaired = Rs. 94.
Total ...	1	1,613	6,798	8,412	4,781	1,107	14,300	290	2,350	

		Rs.
On new work		290
„ repairs		2,350
		2,640
Add, as explained in "Remarks" Column—		
Hazára		42
Ráwalpindi		370
Jhelum		1,516
Multan		94
		4,662
Deduct amounts charged to A VIII*g*—		
Simla Hill Tracts	Rs. 107	...
Ambala	7	114
Total Expenditure under AVIII*a*		4,548

Form No. 49.

STATEMENT OF FOREST AREAS SURVEYED AND UNDER SURVEY DURING THE YEAR 1893-94.

Division.	Areas surveyed and under survey during the year. Special surveys—maps on 4" scale or over, by Survey of India Department or Forest Survey Branch. With interior details. With details of growing stock. Previous.	Of the year.	Without details of growing stock. Previous.	Of the year.	Total Cost.	Boundary Surveys. Previous.	Of the year.	Total Cost.	Ordinary, included in District Surveys. With interior details. With details of growing stock. Previous.	Of the year.	Without details of growing stock. Previous.	Of the year.	Total Cost.	Boundary Surveys. Previous.	Of the year.	Total Cost.	Chain and compass or other surveys by local officers. With interior details. 4-inch or over. Previous.	Of the year.	Under 4-inch. Previous.	Of the year.	Total Cost.	Boundary Surveys. Previous.	Of the year.	Total Cost.	Areas remaining to be taken under Survey.	Total Forest area at end of the year, as per Form No. 46.	Cost. Previous.	Of the year.	Entire cost of all surveys to end of the year.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Sq. Ms.	Sq. Ms.	Rs.	Rs.	Rs.	
Reserved Forests.																														
Hazara	...	...	49	...	...	187	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	236	...	...	...	
Ráwalpindi	...	...	247	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	98	...	...	...	345	...	...	...	
Jhelum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	302	302	...	...	...	
Chenáb	...	...	...	...	...	...	...	...	...	...	74	...	39	...	...	...	...	...	...	...	...	...	...	...	...	74	39	...	39	
Chamba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	32	...	...	...	...	...	127	159	...	...	...	
Kángra	...	...	5	5	1,060	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	45	55	520	540	1,060	
Bashahr	170	4	170	4	(a)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	183	...	...	...	183	...	...	...	
Simla Hill Tracts ...	13	...	13	...	596	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	596	...	596	
Ambala	...	...	18	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	20	...	...	...	
Lahore	...	...	...	...	...	...	...	...	...	...	5	...	10	21	...	...	37	...	2	...	122	...	...	...	...	65	132	...	132	
Montgomery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	87	87	...	...	...	
Multan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	124	1	320	...	...	...	...	125	320	...	320	
Total Reserves ...	183	4	502	9	1,656	187	...	...	...	...	79	...	49	21	...	...	39	...	158	1	442	281	...	...	561	1,664	1,607	540	2,147	1,664 square miles are exclusive of 76 square miles of Military and Civil Reserves.
Protected Forests.																														
Ráwalpindi	...	...	68	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	68	...	...	...	
Chenáb	...	...	...	...	...	...	...	...	...	...	217	...	...	...	...	...	...	...	...	...	...	...	...	...	...	217	...	...	...	
Total Protected Forests.	...	...	68	...	...	...	...	...	...	...	217	...	...	...	...	...	...	...	...	...	...	...	...	...	...	285	...	...	...	285 square miles are exclusive of Civil Protected Forests.
Unclassed Forests.																														
Ráwalpindi	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	114	...	...	244	358	...	...	...	
Jhelum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	259	259	...	...	...	
Chenáb	...	...	...	...	...	...	...	...	...	...	69	...	200	...	...	...	...	...	...	...	...	...	...	...	...	69	200	...	200	Rupees 34 were spent during the year for making tracings, &c.
Chamba	...	...	...	...	...	...	...	...	...	...	14	...	...	...	...	...	...	...	...	...	...	...	...	...	...	14	...	...	...	
Kángra	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	743	743	...	...	...	
Kullu	...	...	210	68	27,810	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	878	1,156	20,970	6,840	27,810	
Bashahr	(b)	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	210	210	...	...	...	
Simla Hill Tracts ...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	
Lahore	...	...	...	...	...	...	...	...	...	...	...	...	...	298	...	...	...	...	...	...	...	...	...	...	...	298	...	...	...	
Montgomery	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	759	759	...	...	...	
Multan	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	68	...	12	25	...	29	61	154	149	...	149	
Total Unclassed Forests.	...	...	210	68	27,810	...	...	...	...	...	85	...	200	298	...	...	...	...	68	...	12	139	...	29	3,154	4,022	21,310	6,840	28,150	

(a) ⅓ Cost on reserves not known, Rs. 1,03,852 spent on Bashahr Forest Surveys since commencement of work.
(b) Area of Unclassed Forests surveyed by Forest Survey Branch not available.

Form No. 50.

PROGRESS MADE IN WORKING PLANS, 1893-94.

Division.	Areas for which Working Plans have been completed. At commencement of the year.	Areas for which Working Plans have been completed. During the year.	Areas for which Working Plans are being compiled. At commencement of the year.	Areas for which Working Plans are being compiled. Taken in hand during the year.	Areas for which Working-Plans have still to be taken in hand.	Total Forest area, as in Form No. 46.	Entire cost, per square mile, of Working Plans completed.	Remarks.
1	2	3	4	5	6	7	8	9
	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Sq. Ms.	Rs.	
Reserved Forests.								
Hazára	...	...	...	50	186	236	...	
Ráwalpindi	102	...	145	...	80	327	64	
Jhelum	...	...	...	...	300	300	...	
Chenáb	...	...	...	...	74	74	...	
Chamba	119	40	...	...	...	159	77	
Kangra	...	...	...	17	38	55	...	
Bashahr	...	...	173	...	10	183	...	
Simla Hill Tracts ...	...	...	13	...	...	13	...	
Ambala	4	...	...	...	15	19	52	
Lahore	34	...	...	...	10	44	30	
Montgomery	...	...	87	...	...	87	...	
Multan	...	...	67	...	58	125	...	1,643 square miles are exclusive of 118 square miles of Military Reserves.
Total Reserves ...	259	40	485	67	771	1,622	...	
Protected Forests.								
Ráwalpindi	68	...	...	...	...	68	64	
Chenáb	...	...	...	...	217	217	...	
Total Protected Forests.	68	...	...	...	217	285	...	285 square miles are exclusive of 921 square miles of Civil Protected Forests.
Unclassed Forests.								
Ráwalpindi	...	...	...	...	358	358	...	
Jhelum	...	...	...	...	259	259	...	
Chenáb	...	...	...	...	69	69	...	
Chamba	...	...	...	...	14	14	...	
Kángra	...	...	...	...	743	743	...	
Kullu	...	...	...	220	936	1,156	...	
Bashahr	...	...	...	...	210	210	...	
Simla Hill Tracts ...	...	...	...	...	2	2	...	
Lahore	...	...	...	...	298	298	...	
Montgomery	...	...	140	...	619	759	...	
Multan	...	...	...	...	154	154	...	
Total Unclassed Forests.	...	...	140	220	3,662	4,022	...	
Grand Total ...	327	40	625	287	4,671	5,950	...	
Grand Total for 1892-93	328	4	226	452	4,825	5,830	...	

Form No. 51.

COMMUNICATIONS AND BUILDINGS DURING 1893-94.

Division.	New work undertaken during the year. — Buildings. — Description of Building.	New work — Buildings. — Expenditure incurred.	New work — Roads and Paths. — Road or Path and object of the same.	New work — Roads and Paths. — Length of Road or Path.	New work — Roads and Paths. — Expenditure incurred.	Total Expenditure on new work.	Repairs executed during the year. — Buildings. — Nature of Repairs.	Repairs — Buildings. — Expenditure incurred.	Repairs — Roads and Paths. — Nature of Repairs.	Repairs — Roads and Paths. — Length repaired.	Repairs — Roads and Paths. — Expenditure incurred.	Total Expenditure on repairs.
1	2	3	4	5	6	7	8	9	10	11	12	13
		Rs.		Miles.	Rs.	Rs.		Rs.		Miles.	Rs.	Rs.
Hazára	Construction of Forest rest-houses and out-houses, Rangers', Foresters', Guards' and Office quarters, &c.	5	Construction of roads, inspection and bridle-paths and bridge work on the same.	11	742	747	Repairs, maintenance and up-keep of Forest rest-houses and out-houses, Rangers', Foresters', Guards', and Office quarters and depôt huts.	87	Repairs, maintenance and up-keep of roads, inspection and bridle paths and bridges.	7	70	157
Ráwalpindi		220		5	112	332		164		38	519	683
Jhelum		399		...	...	399		570		1	22	592
Chenáb		...		...	...	...		170		2	2	172
Chamba		1,674		13	825	2,499		655		113	952	1,607
Kángra		...		...	...	...		566		21	145	711
Kulu		...		...	...	...		112		...	...	112
Bashahr		125		11	1,060	1,185		1,097		84	1,303	2,400
Simla Hill Tracts		89		3	151	240		34		7	56	90
Ambala		1,716		...	6	1,722		379		14	175	554
Lahore		...		...	...	...		101		85	682	783
Montgomer		109		...	...	109		45		...	...	45
Multan		266		...	...	266		120		13	5	125
Total ...	...	4,603	...	43	2,896	7,499	...	4,100	...	385	3,931	8,031

Buildings.	Rs.
New works	4,603
Repairs	4,100
Total under AVIIb as per Form No. 61	8,703

Roads and Bridges.	Rs.
New work	2,896
Repairs	3,931
Total under AVIIa as per Form No. 61	6,827

Form No. 52.

REGISTER OF BREACHES OF FOREST RULES DURING 1893-94.

Forest Division.		Cases pending from 1892-93.	New cases of the year. Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Hazára Division ...	A.	22	1	41	22	10	74	(a) 96	51	136	26	110 and 2 villages.	77	246 and 2 villages.	16
	B.	...	...	95	41	9	145	145	145	365	...	...	145	365	...
	C.	...	...	51	30	8	89	89	...	...	...	...	...	...	...
Total ...		22	1	187	93	27	308	330	196	501	26	110 and 2 villages.	222	611 and 2 villages.	16
Ráwalpindi Division	A.	4	16	76	9	16	117	121	90	158	23	95	113	253	8
	B.	...	...	216	376	1	593	593	593	929	...	...	593	929	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		4	16	292	385	17	710	714	683	1,087	23	95	706	1,182	8
Jhelum Division ...	A	1	...	149	46	4	199	200	173	293	24	58	197	351	3
	B.	1	...	133	96	...	229	230	229	303	1	2	230	305	...
	C.	...	...	47	2	3	52	52	...	...	...	...	...	...	...
Total ...		2	...	329	144	7	480	482	402	596	25	60	427	656	3
Chenáb Division ...	A.	6	2	24	80	1	107	113	70	216	35	109	105	415	8
	B.	...	...	31	42	...	73	73	73	130	...	...	73	130	...
	C.	...	9	3	4	...	16	16	...	...	...	...	...	...	...
Total ...		6	11	58	126	1	196	202	143	346	35	109	178	545	8
Chamba Division ...	A.	10	1	22	9	1	33	(b) 43	34	59	1	4	35	63	4
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		10	1	22	9	1	33	43	34	59	1	4	35	63	4
Kángra Division ...	A.	5	2	50	17	4	73	78	65	152	8	35	73	187	5
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		5	2	50	17	4	73	78	65	152	8	35	73	187	5
Kullu Division ...	A.	16	5	9	4	13	31	47	5	5	28	91	33	96	14
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	8	7	1	1	17	17	...	...	...	...	...	...	...
Total ...		16	13	16	5	14	48	64	5	5	28	91	33	96	14

(a.) Three cases struck off.

(b.) Four cases struck off.

Form No. 52.

REGISTER OF BREACHES OF FOREST RULES DURING 1893-94—*concluded.*

Forest Division.		Cases pending from 1892-93.	New cases of the year. Injury to forest by fire.	Unauthorized felling or appropriation of wood and minor forest produce.	Grazing without permission or in tracts in which grazing is prohibited.	Other offences.	Total new cases of the year.	Total cases.	Disposed of during the year. Convictions. Cases.	Convictions. Persons.	Acquittals. Cases.	Acquittals. Persons.	Total. Cases.	Total. Persons.	Cases pending at close of year.
1		2	3	4	5	6	7	8	9	10	11	12	13	14	15
Bashahr Division ...	A.	261	17	57	3	6	83	344	191	248	71	76	262	324	82
	B.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		261	17	57	3	6	83	344	191	248	71	76	262	324	82
Simla Hill Tracts Division.	A.	1	...	54	2	3	59	60	51	122	7	21	58	143	2
	B.	...	...	2	...	...	2	2	2	2	...	...	2	2	...
	C.	...	...	1	...	...	1	1	...	...	...	...	...	...	1
Total ...		1	...	57	2	3	62	63	53	124	7	21	60	145	3
Ambala Division ...	A.	...	...	6	...	...	6	6	5	6	1	1	6	7	...
	B.	...	...	8	...	...	8	8	8	10	...	...	8	10	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		...	...	14	...	...	14	14	13	16	1	1	14	17	...
Lahore Division ...	A.	2	2	15	5	20	42	44	34	97	9	48	43	145	1
	B.	...	...	9	15	1	25	25	25	48	...	...	25	48	...
	C.	...	10	...	...	...	10	10	...	...	...	...	...	...	...
Total ...		2	12	24	20	21	77	79	59	145	9	48	68	193	1
Montgomery Division	A.	5	1	18	3	2	24	29	26	40	3	6	29	46	...
	B.	...	...	2	2	...	4	4	4	6	...	...	4	6	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		5	1	20	5	2	28	33	30	46	3	6	33	52	...
Multan Division ...	A.	..	4	9	87	2	102	102	88	149	9	29	97	178	5
	B.	...	...	...	20	...	20	20	20	34	...	...	20	34	...
	C.	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Total ...		...	4	9	107	2	122	122	108	183	9	29	117	212	5
GRAND TOTAL ...	A.	333	51	530	287	82	950	1,283	883	1,681	245	773 and 2 villages.	1,128	2,454 and 2 villages.	148
	B.	1	...	496	592	11	1,099	1,100	1,099	1,827	1	2	1,100	1,829	...
	C.	...	27	109	37	12	185	185	...	...	...	...	...	...	1

N. B.—A means cases taken into Court.
B means cases disposed of under Section 67 of Indian Forest Act, 1878, and Section 37 of Hazára Forest Regulation 1893.
C means undetected cases.

Form No. 53.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1893-94.

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Actually protected.	Cost.	REMARKS.
1	2	3	4	5	6	7	8	9
Hazára	Kághán 2 Reserves..	1885	9,144	9,144	1,363	7,781	Rs 320	
	Siran 3 " ...	...	7,298	7,298	11	7,287	268	
	Dungagalli 23 " ...	...	11,708	9,519	...	9,519	14	
	Khanpur 29 " ...	...	8,431	31,493	10,065	21,428	550	
	Total ...	...	36,581	57,454	11,439	46,015	1,152	
Chamba	Bakloh	1872	500	500	...	500	41	
	Kálatop and Dadra ...	1871	153	153	...	153	...	
	Surkhigalli	1882	306	306	...	306	35	
	Banikhet	1874	211	211	...	211	36	
	Shahpur Kandi	1882	8,882	8,882	30	8,852	93	
	Totál ...	...	10,031	10,031	30	10,031	205	
Kángra	Lohára Khás, Jowár, Lambasail and part of Punjal.	1875	2,500	2,500	...	2,500	37	
	Parts of Chabútra, Dhár, Jakh, Hamal, Bakroh, Dhar Sidh, and Majhaba	1884	6,979	6,979	120	6,859	90	
	Parts of Bindraban and Karanpur Bamboo Reserves.	1884	3,000	3,000	...	3,000	39	
	Dhamtál Reserve ..	1879	624	624	...	624	15	
	Talára and Kaluk Reserves.	1882	1,044	1,044	...	1,044	15	
	Mastgarh, Datoi and Swárka.	1885	587	587	...	587	15	
	Tatal, Mehdhar, Chatril and Jakar Reserves.	1882	2,581	2,581	...	2,581	15	
	Bindraban Reserves ...	1883	617	617	...	617	15	
	Balah and Soldha Reserves.	1887	579	579	...	579	...	
	Hatidhar Unclassed Forests.	1885	1,500	1,500	...	1,500	15	
	Unclassed Forests on the sides of roads going to Sulyali.	1890	1,490	1,499	...	1,499	15	
	Part of Lohjang Reserve	1892	500	500	...	500	11	
	Bhali and Dholba Reserves.	1893	1,489	1,489	...	1,489	15	
	Total ...	...	23,499	23,499	120	23,379	297	

Form No. 53.

AREA OF FOREST TRACTS PROTECTED FROM FIRE DURING 1893-94—*concluded.*

Division.	Forest Tracts.	Year in which protection commenced.	Area protected during 1892-93.	Area attempted to be protected.	Failures.	Actually protected.	Cost.	Remarks.
1	2	3	4	5	6	7	8	9
							Rs.	
Kullu	Siál-Biál	1885	80	80	...	80		
	Dungri	1887	60	60	...	60		
	Dudlu	1888	260	200	...	260	19	
	Dana Biál	1889	30	30	...	30		
	Damsu Kalaun and Manálghán.	1890	284	284	4	280		
	Sahita and Kandi ..	1891	150	150	...	150	10	
	Sahráj Range 2 Forests ...	1887	280	280	...	280		
	" " 8 " ..	1888	1,608	1,053	...	1,053		
	" " 4 " ...	1889	920	580	...	580	41	
	Parkat Shil	1890	240	240	...	240		
	Chaliála	1892	300	300	...	300		
	Soma Chaláon	1885	400	400	...	400		
	Rúpi Range 4 Forests ...	1888	9,440	9,440	...	9,440		
	Bindraban	1889	223	223	...	223		
	Kailiban and Masu Dunkri.	1890	1,030	1,030	...	1,030	67	
	Diyar	1891	100	100	...	100		
	Khoru thach	1892	490	490	...	490		
	Total ...	...	15,805	15,000	4	14,996	137	
Bashahr... ...	Neogli Range Reserves...	1891	38,931	38,932	...	38,932	48	
	Pabar	1891	6,125	6,125	...	6,125	72	
	Total ...	...	45,056	45,057	...	45,057	120	
Simla Hill Tracts	Sabáthu	1887	394	394	8	386	16	
	Dagshái	1888	400	397	13	384	15	
	Jutogh	1893	...	115	...	115	16	
	Total ...	...	794	906	21	885	47	
Ambala	Kalesar	1882	2,389	2,389	1,380	1,009	211	
	Total ...	...	2,389	2,389	1,380	1,009	211	
Montgomery ...	Kalera	1884	4,196	4,561	3,925	636	10	
	Mírdád	1886	3,352	3,352	...	3,352	7	
	Montgomery	1886	4,280	4,280	...	4,280	4	
	Mohamedpur	1893	1,748	1,748	...	1,748	4	
	Darsana	1894	...	1,663	...	1,663	11	
	Total ...	...	13,576	15,604	3,925	11,679	36	
Multan	Lodhrán Range (Forests)	...	3,199	3,199	...	3,199	35	
	Muzaffargarh " ...	...	4,118	5,086	1,530	3,556	89	
	Alipur " ...	...	12,808	14,466	516	13,950	161	
	Rájanpur " ...	...	14,993	11,000	...	11,000	87	
	Total ..	...	35,118	33,751	2,046	31,705	372	
	Grand Total ...	...	1,82,969	2,03,721	18,965	1,84,756	2,577	
	Grand Total for 1892-93	...	1,66,322	1,83,592	623	1,82,969	1,590	

Form No. 54.

AREA CLOSED AND OPEN TO GRAZING DURING 1893-94.

Division.	Area in square miles. Closed to all animals. Whole year.	Closed to all animals. Part of year.	Closed to browsers (camels, goats or sheep). Whole year.	Closed to browsers. Part of year.	Open to all animals. Whole year.	Total area.	Remarks.
1	2	3	4	5	6	7	8
Departmental Reserves.							
Hazára	126	...	(a) 45	...	65	236	(a.) Closed to kine for part of the year.
Ráwalpindi	216	...	29	...	(b) 82	327	(b.) Includes 62 square miles closed to camels throughout the year.
Jhelum	182	...	7	...	111	300	
Chenáb	15	.	(c) 59	...	...	74	(c.) Includes 15 square miles closed to kine for part of the year.
Chamba	12	..	...	..	147	159	
Kángra	48	(d) 7	...	...	...	55	(d.) Includes 2 square miles closed to camels throughout the year.
Bashahr	59	...	...	...	124	183	
Simla Hill Tracts ...	2	..	11	...	...	13	
Ambala	14	...	(e) 5	...	...	19	(e.) Closed to kine for part of the year.
Lahore	17	..	(f) 26	...	1	44	(f.) Includes 11 square miles closed to kine for part of the year.
Montgomery	9	...	(g) 78	...	...	87	(g.) Closed to kine for part of the year.
Multan	38	(h) 1	(i) 86	...	...	125	(h.) Closed to camels throughout the year. (i.) Includes 48 square miles closed to kine for part of the year.
Total Departmental Reserves	738	(j) 8	(k) 346	...	(l) 530	1,622	(j.) Includes 3 square miles closed to camels throughout the year. (k.) Includes 202 square miles closed to kine for part of the year. (l.) Includes 62 square miles closed to camels throughout the year.
Military Reserves.							
Ráwalpindi	...	...	(m) 21	...	...	21	(m.) Includes 18 square miles closed to kine for part of the year.
Jhelum	...	...	2	...	...	2	
Chamba	...	...	...	...	...	...	0·21 square miles of Bakloh open to all animals throughout the year.
Ambala	1	...	...	...	...	1	
Lahore	2	(n) 19	...	...	...	21	(n.) Includes 13 square miles closed to camels throughout the year.
D. I. Khan District ...	...	...	(o) 6	...	...	6	(o.) Closed to kine for part of the year.
Hissár District	...	...	64	...	...	64	
Ambala "	...	...	2	...	1	3	
Total Military Reserves	3	19	95	...	1	118	
Civil Reserves.							
Jhelum	...	...	...	...	...	...	0·02 square miles closed to browsers throughout the year.
Total Civil Reserves ...	...	...	...	...	...	...	
Total Reserves ...	741	27	441	...	531	1,740	

Form No. 54.

AREA CLOSED AND OPEN TO GRAZING DURING 1893-94—*concluded.*

Division.	Area in square miles. — Closed to all animals. — Whole year.	Closed to all animals. — Part of year.	Closed to browsers (camels, goats or sheep). — Whole year.	Closed to browsers (camels, goats or sheep). — Part of year.	Open to all animals. — Whole year.	Total area.	Remarks.
1	2	3	4	5	6	7	8
Departmental Protected Forests.							
Ráwalpindi	...	...	67	1	...	68	
Chenáb	...	12	(p) 49	...	156	217	(p.) Closed to kine for part of the year.
Total Departmental Protected Forests.	...	12	116	1	156	285	
Civil Protected Forests.							
Shahpur District ...	...	(q) 37	...	...	753	790	(q.) Includes 31 square miles closed to camels throughout the year.
Kohát "	...	...	48	...	83	131	
Total Civil Protected Forests.	...	37	48	...	836	921	
Total Protected Forests	...	49	164	1	992	1,206	
Unclassed Forests.							
Ráwalpindi	...	...	..	...	358	358	
Jhelum	4	...	28	...	227	259	
Chenáb	4	25	(r) 8	...	32	69	(r.) Includes 1 square mile closed to kine for part of the year.
Chamba	...	...	...	...	14	14	
Kángra	33	(s) 7	...	...	703	743	(s.) Includes 5 square miles closed to camels throughout the year.
Kullu	33	1	(t) 4	(u) 22	1,096	1,156	(t.) Includes 2 square miles closed to kine for part of the year. (u.) Includes 14 square miles closed to kine throughout the year.
Bashahr	...	...	...	...	210	210	
Simla Hill Tracts ...	2	...	...	...	...	2	
Lahore	2	...	(v) 120	...	176	298	(v.) Includes 32 square miles closed to kine for part of the year.
Montgomery	...	...	24	...	735	759	
Multan	9	...	(w) 84	...	61	154	(w.) Includes 1 square mile closed to kine for part of the year.
Total Unclassed Forests	87	(x) 33	(y) 268	(z) 22	3,612	4,022	(x.) Includes 5 square miles closed to camels throughout the year. (y.) Includes 36 square miles closed to kine throughout the year. (z.) Includes 14 square miles closed to kine throughout the year.

Form No. 55.

RETURN OF GRAZING IN THE STATE FORESTS DURING 1893-94.

Division.	Grazing on Payment. At full rates. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received.	Number of Animals. At Privileged rates. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Fees received. Actual.	Fees received. Value at full rates.	Grazing Free. By right under Settlement. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.	Number of Animals. During pleasure of Government, or otherwise than under Settlement. Buffaloes.	Cows and Bullocks.	Goats and Sheep.	Camels.	Other animals.	Value of Fees at full rates.	Total value of Fees at full rates.	Grand Total of value at full rates
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
						Rs.						Rs.	Rs.						Rs.						Rs.	Rs.	Rs.
									Reserved Forests.																		
Hazára	1,800	1,813	2,688	...	21	1,210	...	...	...	...	...	...	...	370	740	...	...	...	357	...	...	...	...	...	...	357	1,567
Ráwalpindi	...	...	...	...	...	...	23	2,513	16,742	...	1	940	6,492	3,385	10,540	9,055	100	414	33,851	...	...	...	...	...	...	33,851	40,343
Jhelum	1,466	1,555	...	...	258	1,533	22	203	165	...	21	30	60	891	5,887	9,656	160	391	1,868	...	...	...	...	...	...	1,868	3,461
Chenáb	1,012	1,014	...	...	...	1,217	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,217
Chamba	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	
Kángra	...	...	1,270	...	...	47	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	47
Bashahr	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Simla Hill Tracts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2,908	...	...	...	1,454	...	...	...	...	...	...	1,454	1,454
Ambala	108	212	...	...	...	165	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	165
Lahore	3,265	9,226	248	8	130	8,678	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,678
Montgomery	362	202	...	...	...	56	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	56
Multan	3,820	23,753	752	...	123	4,755	...	84	...	...	...	6	51	...	...	...	...	...	...	...	...	...	...	...	...	...	4,806
Total from Reserved Forests	11,833	37,775	4,958	8	533	17,603	45	2,750	16,807	...	22	976	6,608	4,646	20,025	18,711	260	805	37,530	...	...	...	...	...	...	37,530	61,794

Protected Forests.																											
Ráwalpindi ...	...	..	...	2,036	...	34	...	..	...	...	...	...	...	12,737	32,272	.	...	263	87,014	..	..	...	...	...	...	87,014	87,048
Chenáb	1,201	1,412	583	82	.	633	...	..	...	..	...	...	...	..	...	..		.	...	...	...	..	...	...	...	.	633
Total from Protected Forests	1,201	1.412	583	2,118	.	667	...	...	...	..	.	.		12,737	33,272	...	.	263	87,014	..	...	...	..	.		87,014	87,681
Unclassed Forests.																											
Ráwalpindi ...	...	.	...	..	.	...	...	...	...	...	...	...	...	...	..	..	...	..	..	..	..	.	..	...		...	.
Jhelum	43	666	3,565	15	206	393	851	10,123	10,352	25	1,087	1,261	2,528	191	2,636	4,780	...	221	730	2	47	63	10	..	14	744	3,665
Chenáb	8,975	21,474	8,254	2,060	12	9,279	...	..	.	.	..	...	...	...	..	..	...	..	..	...	...	...	...	...		...	9,279
Chamba	...	...	...	.	.	...	...	...	...	...	...	...	...	...	.	...	...	...		...	...	...	...	...	..	.	...
Kángra	...	...	1,61,490	...	...	2,936	..	...	...	...	...	.	...	...	...	...	...	...	..	...	...	...	...	...	...	..	2,936
Kullu	...	24	7,631	...	..	50	...	...	4,02,089	...	...	3,373	5,821	...	92,547	...	...	955	1,461	...	..	...	...	...	...	1,461	7,332
Bashahr	...	..	...	...	...	..	..	...	...	...	...	...	...	50	1,380	92,335	...	426	5,664	...	...	...	...	...	..	5,664	5,684
Simla Hill Tracts ...	...	53	...	.	...	53	...	...	...	..	...	...	...	...	..	...	...	...	...	..	...	...	...	...	...	...	53
Lahore	7,099	27,751	11,716	1,515	133	34,090	...	...	...	...	...	...	...	...	...	...	...	...	...	75	126	...	...	4	223	223	34,313
Montgomery	...	..	...	..	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	..	.
Multan	82	447	402	.	...	124	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	..	..	124
Total from Unclassed Forests	16,799	50,395	1,98,058	3,590	351	46,925	851	10,123	4,12,441	25	1,087	4,637	8,349	241	96,563	97,115	.	1,602	7,855	77	173	63	10	4	237	8,092	63,386
Grand Total ...	29,833	89,582	1,98,599	5,716	383	65,253	896	12,873	4,29,248	25	1,109	5,613	14,952	17,624	1,48,860	1,15,826	260	2,670	1,33,399	77	173	63	10	4	237	1,32,636	2,12,341

	Rs.	Rs.
Total as per Form No. 55, column 28		2,12,841
Add—		
Value of grazing and grass cutting leases, &c., under "Purchasers" for which number of animals cannot be given and hence not shown in Form No. 55	1,29,586	
Value of grazing and grass under "Free Grants" or "Right-holders" for which number of animals cannot be given and hence not shown in Form No. 55	47,077	
Outstandings of previous years realized during 1893-94 ...	59,762	
		2,36,425
Carried over		4,49,266

	Rs.	Rs.
Brought forward ...		4,49,266
Deduct—		
Value of grazing fees under settlement and free grants per column No. 27 ...	1,32,636	
Difference between the actual fees received per column 13 and the value at full rates for animals grazing at privileged rates per column 14 ...	9,339	
Value of grazing and grass under "Free Grants" and "Right-holders" for which number of animals cannot be given and hence not shown in Form No. 55 ...	47,077	
Outstandings for 1893-94	69,772	
		2,58,824
Total under RII(*d*) per Form No. 61		1,90,442

Form No. 56.

AREA OF PLANTATIONS, 1893-94.

Division.	Name of Plantation.	Area in Acres. On 1st July 1893.	Area in Acres. Added during the year.	Area in Acres. Excluded during the year.	Area in Acres. Area on 30th June 1894.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
						Rs.	Rs.	
	Regular Plantations.							
Jhelum ...	Pira Ghaib	200	...	200	...	...	...	
	Gandhála	25	...	25	...	...	...	
Chenab ...	Belas Náth and Pindi Tatár.	181	....	181	...	260	...	
	Belas Sádhoki	1	...	1	...	30	...	
	Do. Kotli Gohan ...	8	...	8	...	100	...	
	Do. Thatta Faqírulla	412	...	412	...	...	...	
	Gházi Chak	5	...	5	...	7	...	
Simla Hill Tracts ...	Sabáthu	354	60	60	354	1,087	193	
	Dagshai	400	81	84	397	1,001	761	
	Jutogh	...	115	...	115	343	225	Transferred from Cultural Operations.
Ambala ...	Jalandhar	51	...	51	...	164	...	
	Phillour	220	...	220	...	517	52	
	Ludhiána	197	...	197	...	97	...	
	Jagádhri	197	...	197	...	62	...	
Lahore ...	Sadhánwáli	334	...	334	...	...	...	
	Jhok	1,024	...	1,024	...	...	...	
	Nág	444	...	444	...	...	...	
	Carob Plantation ...	23	...	...	23	...	...	
	Total Regular Plantations.	4,070	256	3,443	889	3,668	1,231	
	Cultural Operations.							
Hazára ...	Changlagalli, No. 1 ...	44	...	...	44	...	...	
	Do. Forest house plot.	9	...	...	9	...	...	
	Kujagalli	16	...	...	16	...	...	
	Kutli	10	...	...	10	...	5	
	Malkandi, No. 1 ...	8	...	...	8	...	...	
	Do. „ 2 ...	2	...	2	...	...	...	
	Do. „ 3 ...	40	...	40	...	...	...	
	Núri	5	...	5	...	...	...	
	Mari	5	...	5	...	...	...	
	Karála	3	...	3	...	...	...	
	Makhnuyal	2	...	...	2	...	3	
	Garm-thun. Mela-ka-Ochar, Lalumár ..., Kotjandan ..., Toba Danda ..., Bijumár ...	754	...	754	...	...	...	
	Meurti	1	...	1	...	...	...	
	Mauji Keri	9	...	9	...	...	...	
	Bijuban	5	...	5	...	...	...	
	Chachun, ...	3	...	3	...	...	...	
	Mandiáli	2	...	2	...	...	...	
	8 Miscellaneous plots	6	...	6	...	...	2	
	Malkandi, No. 4 ..., Núri „ 2 ...	33	3	3	33	...	19	
	Kamalban ..., Núri, No. 3 ...	100	...	100	...	...	...	
	Bagan, Aru-ka-Bagla...	4	...	4	...	...	...	
	Do. Kundlagalli ...	9	...	9	...	...	...	
	Carried over ...	1,070	3	951	122	...	20	

Form No. 56.

AREA OF PLANTATIONS, 1893-94—continued.

Division.	Name of Plantation.	Area in Acres. On 1st July 1893.	Added during the year.	Excluded during the year.	Area on 30th June 1894.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
						Rs.	Rs.	
	Brought forward ...	1,070	3	951	122	...	29	
	Cultural Operations —continued.							
Hazara—concluded.	Dunga, Nathiagalli ...	1	...	1	...	...	...	
	Diwán Bela	77	...	77	...	...	...	
	Kamalban, Surbeyla ...	57	...	57	...	...	...	
	Chumbi (Sir)	20	...	20	...	...	...	
	Shinu, Núri Khás, Bhujián, Gandaka Nakka and Baggaban.	31	...	25	6	...	...	
	Darwáza Palak. } Chumbi ...	3	...	3	...	...	...	
	Darwáza { Satnára, Kali. Kutli, Rhinka Nakka. }	10	...	10	...	...	...	
	Jawalián, Choi Ochar	50	...	50	...	...	...	
	Kerwali, Galian Ochar	33	...	33	...	...	...	
	Kund Patti	3	...	3	...	...	...	
	Miscellaneous petty sowings.	...	...	...	...	...	2	
	Total ...	1,355	3	1,230	128	...	31	
Rawalpindi ...	Bárakao (Margala) ...	86	...	86	...	...	70	
	Masot Reserve, Compartment 2.	9	...	9	...	...	...	
	Jhila Cherah Reserve, Compartment 29.	10	...	10	...	...	...	
	Jhila Cherah Reserve, Compartment 28.	...	10	...	10	...	17	
	Panjar Reserve, Compartments 32 and 34.	10	...	10	...	...	...	
	Total ...	115	10	115	10	...	87	
Jhelum ...	Ban Faqírulla	3	...	3	...	...	...	
	Garat	10	...	10	...	...	...	
	Total ...	13	...	13	...	...	...	
Chenab ...	Pabbi	857	24	24	857	965	446	
	Ishar	64	...	64	...	...	...	
	Deowál	68	...	68	...	...	...	
	Pakhowál	41	...	41	...	...	...	
	Total ...	1,030	24	197	857	965	446	
Chamba ...	Pangi various	64	...	64	...	...	...	
	Bassu	149	...	149	...	...	...	
	Dhauri	25	...	25	...	...	...	
	Kálatop	343	12	...	355	...	132	
	Carried over ..	581	12	238	355	...	132	

Form No. 56.

AREA OF PLANTATIONS, 1893-94—continued.

Division.	Name of Plantation.	Area in Acres. On 1st July 1893.	Area in Acres. Added during the year.	Area in Acres. Excluded during the year.	Area in Acres. Area on 30th June 1894.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
						Rs.	Rs.	
	Brought forward ...	581	12	238	355	...	132	
	Cultural Operations —continued.							
Chamba—concluded.	Kainthli	149	...	...	149	...	54	
	Majaur	1	...	1	...	...	...	
	Chorri	2	...	2	...	...	...	
	Padri-Bohar	130	6	...	136	...	134	
	Chatri	102	15	...	117	...	266	
	Khanni	3	...	3	...	...	...	
	Chadbhent	35	11	4	42	...	450	
	Joli Thali	5	...	...	5	...	17	
	Surkhigalli	...	...	...	...	...	10	
	Mumul	...	...	...	...	...	7	
	Khangu	...	...	...	...	...	2	
	Langera	...	...	...	...	...	16	
	Pangi (miscellaneous)	...	...	...	...	...	5	
	Total ...	1,008	44	248	804	...	1,093	
Kangra ...	Chatril Reserve ...	52	...	...	52	...	2	
	Tatal Do. ...	88	...	...	88	...	...	
	Bindraban Do. ...	11	...	...	11	...	...	
	Dhamtal Do. ...	41	...	...	41	...	268	
	Mehdar Do. ...	2	...	...	2	...	...	
	Jukar Do. ...	15	...	...	15	...	...	
	Ballah Do. ...	5	...	...	5	...	...	
	Nalián Do. ...	10	...	...	19	...	...	
	Jamoli Do. ...	5	..	...	5	...	...	
	Balwal Do. ...	5	...	...	5	...	...	
	Samlian Do. ...	290	30	290	30	...	30	
	Tilli Do. ...	6	2	...	8	...	36	
	Darang Do. ...	30	...	...	30	...	...	
	Habrol Do. ...	8	...	...	8	...	...	
	Karnpur Do. ...	30	5	...	35	...	33	
	Bindraban Do ...	5	...	...	5	...	...	
	Lohara A in 6 places ...	35	...	...	35	...	...	
	Do. B in 4 do. ...	15	...	...	15	...	...	
	Paujal Reserve ...	4	...	...	4	...	...	
	Dharni Do. ...	1	...	..	1	...	..	
	Bajori in Hamirpur ...	6	...	...	6	...	...	
	Baldon Reserve ...	7	...	...	7	...	...	
	Badiána	45	...	...	45	...	...	
	Hamirpur Trihais ...	124	...	...	124	...	...	
	Núrpur Fruit Nursery	1	...	1	..	...	24	
	Mastghar	2	...	...	2	...	5	
	Total ...	852	37	291	598	...	308	
Kulu ...	Dungri	34	...	34	...	...	...	
	Manalghan	53	...	53	...	...	...	
	Dana-Bial	27	...	27	...	...	...	
	Sial-bial	66	...	66	...	...	...	
	Manalgarh	41	...	...	41	...	3	
	Bai-Padri	12	...	...	12	...	1	
	Dani-Deo	35	...	...	35	...	...	
	Chasal, Upper	15	...	1	14	...	...	
	Chasal, Lower	5	...	...	5	...	...	
	Carried over ...	288	...	181	107	...	4	

Form No. 56.

AREA OF PLANTATIONS, 1893-94—continued.

Division.	Name of Plantation.	Area in Acres. On 1st July 1893.	Area in Acres. Added during the year.	Area in Acres. Excluded during the year.	Area in Acres. Area on 30th June 1894.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
						Rs.	Rs.	
	Brought forward ...	288	...	181	107	...	4	
	Cultural Operations —continued.							
Kullu—concluded.	Shalingar	35	...	...	35	...	...	
	Dadlu	59	...	...	59	...	...	
	Brunndhár	29	9	3	35	...	49	
	Padi Chaláon	14	...	...	14	...	...	
	Batar Bial	7	...	7	...	...	...	
	Deoban	18	...	...	18	...	...	
	Sesui	6	...	...	6	...	...	
	Phetaban	1	...	...	1	...	...	
	Ledi Chaláon	2	...	...	2	...	...	
	Shejuni	6	...	...	6	...	...	
	Fojal Kaláon	8	...	...	8	...	...	
	Síta Dhag	11	...	...	11	...	...	
	Rehni	8	...	...	8	...	...	
	Lamban	8	...	...	8	...	...	
	Sandhar	5	...	...	5	...	...	
	Gogarsil	3	...	...	3	...	...	
	Chhota Shunjra ...	5	...	...	5	...	...	
	Lot	1	...	...	1	...	...	
	Devi di-Jhir	5	...	...	5	...	...	
	Bindraban Jorri ...	24	...	...	24	...	7	
	Soma Chaláon ...	77	...	73	4	...	...	
	Phulga	17	...	...	17	...	...	
	Kashol	6	...	...	6	...	...	
	Duikhri	15	...	15	...	...	...	
	Ilagahr	10	...	...	10	...	...	
	Sawani	16	2	6	12	...	6	
	Tandi	15	...	15	...	...	...	
	Bithu Kandu	5	...	...	5	...	...	
	Gohi	4	...	4	...	...	...	
	Daogi	5	...	...	5	...	...	
	Latura	42	...	...	42	...	...	
	Blajdhár	9	...	9	...	...	...	
	Salono	12	...	...	12	...	...	
	Jibi	5	...	...	5	...	...	
	Rámgarh	5	...	...	5	...	...	
	Silla	5	...	5	...	...	...	
	Phon	9	1	...	10	...	2	
	Ratho	30	...	30	...	...	...	
	Bagi	3	...	3	...	...	..	
	Jiya	1	...	...	1	...	...	
	Kut	1	...	...	1	...	1	
	Total ...	835	12	351	496	...	69	
Bashahr ..	Nachar, East	136	...	...	136	...	...	
	Rupang	64	12	...	76	...	19	
	Sapni-Kum-Kumi ...	154	...	...	154	...	...	
	Kanahi...	8	...	...	8	...	...	
	Tenden	39	...	...	39	...	...	
	Darkali and Kashapat	2	...	...	2	...	...	
	Taranda	4	...	...	4	...	...	
	Gutrang	12	...	...	12	...	...	
	Nachar, West... ...	5	...	...	5	...	...	
	Tunglang	13	...	...	13	...	...	
	Carried over ...	437	12	...	449	...	19	

Form No. 56.

AREA OF PLANTATIONS, 1893-94—continued.

Division.	Name of Plantation.	Area in Acres. On 1st July 1893.	Area in Acres. Added during the year.	Area in Acres. Excluded during the year.	Area in Acres. Area on 30th June 1894.	Of the year. Receipts.	Of the year. Charges	Remarks.
1	2	3	4	5	6	7	8	9
						Rs.	Rs.	
	Brought forward ...	437	12	...	449	...	19	
	Cultural Operations - continued.							
Bashahr—concluded.	Jani	63	...	...	63	...	..	
	Panwi	9	...	...	9	...	...	
	Kulba	2	..	...	2	...	...	
	Junpan-Phinla ...	13	...	...	13	...	...	
	Tikru-Wasankan ...	12	...	...	12	...	...	
	Punang	10	...	...	10	...	...	
	Ralli	6	...	...	6	...	...	
	Shumolang	6	...	...	6	...	...	
	Jungi Kirang	5	...	...	5	...	...	
	Bullug	4	...	...	4	...	...	
	Shil	1	...	...	1	...	...	
	Ramni-Masgani ...	50	...	...	50	...	..	
	Bat[illegible]i	2	10	...	12	...	18	
	Chidáli-Kartot ...	5	...	...	5	...	...	
	Purbani	...	2	...	2	...	4	
	Total ...	625	24	...	640	...	41	
Simla Hill Tracts.	Jutogh	115	...	115	...	...	...	Transferred to Regular Plantations.
	Total ...	115	...	115	...	...	...	
Ambala ...	Kalosar...	...	13	...	13	...	75	
	Total ...	...	13	...	13	...	75	
Lahore ...	Kot Lakhpat	220	...	220	...	...	...	
	Dhig	45	...	45	...	...	...	
	Sorai Amánat Khan ...	18	...	18	...	...	...	
	Shahdara	...	20	20	...	...	11	
	Nág	...	3	3	...	...	3	
	Chánga Mánga ...	...	...	...	...	...	37	Miscellaneous petty plantings and sowings. No acreage.
	Total ...	283	23	306	...	...	51	
Multan ...	Damorwála	6	...	...	6	...	...	
	Kureshi	107	...	...	107	...	...	
	Dandewála	3	...	...	3	...	...	
	Arbi	3	12	...	15	...	129	
	Jhalarián	6	...	...	6	...	...	
	Isanwála	1	...	...	1	...	...	
	Búra Kotla	192	...	192	...	...	...	
	Makhdúm Vinoi ...	11	...	...	11	...	...	
	Carried over ...	329	12	192	149	...	129	

Form No. 56.

AREA OF PLANTATIONS, 1893-94—concluded.

Division.	Name of Plantation.	Area in Acres. On 1st July 1893.	Added during the year.	Excluded during the year.	Area on 30th June 1894.	Receipts. Of the year.	Charges. Of the year.	Remarks.
1	2	3	4	5	6	7	8	9
						Rs.	Rs.	
	Brought forward ...	329	12	192	149	...	129	
	Cultural Operations —concluded.							
Multan—concluded.	Dangra	3	6	...	9	...	...	
	Pakka Háji Majid ...	2	2	2	2	...	...	
	Jelálpur	...	20	10	10	...	...	
	Miscellaneous petty sowings in Arbi.	...	...	...	...	...	12	
	Miscellaneous broad-cast sowings.	...	173	173	...	...	...	Sown by the guards.
	Total ...	334	213	377	170	...	141	
	Total of Cultural Operations.	6,565	403	3,243	3,725	965	2,432	
	Grand Total of Plantations and Cultural Operations.	10,641	659	6,686	4,614	4,633	3,663	
	Total for 1892-93 ...	21,001	1,254	11,614	10,641	86,638	7,737	

ABSTRACT OF CHANGES IN AREA OF PLANTATIONS.

		Acres.
Total Plantations of all classes		10,641
Add—	Acres.	
Work actually done during the year	544	
Area transferred from Cultural Operations	115	
Deduct—		
Failures, &c., struck off	6,571	
Area transferred to Regular Plantations	115	
Net deduction		6,027
Total of all classes on 30th June 1894		4,614

ABSTRACT OF CHARGES.

	Rs.	Rs.
Cost of Regular Plantations	1,231	
" of Cultural Operations	2,432	
		3,663
Add—		
Cost of seed and experiments, &c.	904	
Expenditure on account of fruit culture, gardens and orchards ...	447	
		1,351
Total		5,014
Deduct—		
Expenditure on Chánga Mánga erroneously charged to A VIIIc from April to June 1893 and transferred to other proper budget sub-heads during the forest year 1893-94	1,027	
Expenditure debited to A Ic in Multan	123	
		1,150
Expenditure under A VIIIc as per Form No. 61		3,864

Form No. 57.

OUTTURN (IN CUBIC FEET, SOLID) OF TIMBER AND FUEL DURING THE YEAR 1893-94, AND AGENCY OF EXPLOITATION.

Division.	Timber in the rough; Logs.					Timber in the rough; Poles.					Sawn or squared Timber.					Miscellaneous.					Fuel.					Total.
	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Government.	Purchasers.	Free-grantees.	Right-holders.	Total.	Outturn.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
I.—RESERVED FORESTS.																										
Hazára	1,22,323	28,454	(a) 60	...	1,50,787	...	2,909	...	...	2,909	9,778	5	...	...	9,783	43	399	...	...	442	30,138	1,21,626	(b) 6,621	(c) 34,960	1,92,615	3,56,478
Ráwalpindi ...	...	70,684	...	...	70,689	...	204	...	...	204	...	416	...	...	416	...	111	...	...	111	...	3,09,647	...	(d) 3,21,400	6,31,137	7,93,833
Jhelum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	353	8,664	(g) 33,142	(h) 2,29,400	2,70,649	2,70,649
Chenáb	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	...	...	16	2,643	11,106	...	...	13,948	13,964
Chamba	1,24,426	31,767	...	(i) 1,816	1,58,009	42	...	...	...	42	2,68,370	...	...	...	2,68,370	...	...	...	...	...	44	8,627	...	...	8,571	4,34,992
Kángra	...	15,651	...	...	15,651	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	5,499	...	...	5,499	21,123
Bashahr ...	3,02,518	...	...	...	3,02,518	...	...	...	...	...	14,925	...	...	...	14,925	971	...	...	...	971	...	...	...	...	...	3,18,314
Simla Hill Tracts	1,605	262	...	(p) 1,993	7,217	1,059	...	...	(p) 4,137	5,196	...	...	...	...	...	...	...	...	...	...	...	...	...	(q) 69,796	69,796	82,199
Ambala	...	...	...	...	...	8,082	35	...	...	8,117	102	...	...	...	102	28	...	...	...	28	1,02,400	3,619	...	...	1,06,019	1,14,396
Lahore	613	269	...	...	912	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,59,324	11,521	...	...	3,71,343	3,72,257
Montgomery ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	16	...	...	16	3,51,073	6,052	...	...	2,57,1[illegible]	2,57,141
Multan	...	...	...	...	...	...	2,200	...	...	2,200	...	...	...	...	...	...	...	...	...	...	5,05,436	62,038	...	...	5,67,474	5,69,674
Total ...	5,51,773	1,47,047	60	3,809	7,05,686	9,183	5,346	...	4,137	18,668	2,9[illegible]	421	...	...	2,93,596	1,042	542	...	...	1,564	12,52,113	6,46,330	39,763	6,54,746	24,94,151	35,18,567
II.—PROTECTED FORESTS.																										
Ráwalpindi ...	...	10,479	...	(c) 1,020	11,499	...	12	...	...	12	...	7	...	...	7	...	37	...	...	37	...	77,854	...	(d) 16,79,803	17,57,657	17,69,212
Chenáb ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	600	...	...	600	600
Total ...	...	10,479	...	1,020	11,499	...	12	...	...	12	...	7	...	...	7	...	37	...	...	37	...	78,454	...	16,79,803	17,58,257	17,69,812
III.—UNCLASSED FORESTS.																										
Ráwalpindi ...	...	9,644	...	(e) 83,900	93,544	...	782	...	(f) 21,112	21,894	...	1,156	...	...	1,156	...	364	...	...	364	...	10,762	...	...	10,762	1,27,730
Jhelum ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	69	(g) 8,394	(h) 1,60,000	1,68,463	1,68,463
Chenáb ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	10,558	...	...	10,558	...	2,57,958	...	...	2,57,958	2,68,516
Chamba ...	...	169	...	...	169	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	169
Kángra ...	...	47,137	...	(j) 88,644	1,35,781	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	8,233	...	(j) 976	9,209	1,44,990
Kullu	...	...	...	...	...	...	...	...	...	...	4,138	...	...	...	4,138	585	59,537	(k) 28,309	(l) 8,01,426	8,89,904	...	1,634	...	(m) 1,38,70,000	1,38,71,634	1,47,65,676
Bashahr ...	...	...	...	...	...	...	...	(n) 3,52,510	...	3,52,510	...	...	...	...	...	...	...	...	...	...	...	...	...	(o) 85,35,043	85,35,043	88,87,553
Simla Hill Tracts	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	15	446	...	...	461	461
Lahore ...	300	4,036	...	...	4,336	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	3,603	34	...	...	3,637	7,975
Montgomery ...	...	...	...	...	...	...	4,345	...	...	4,345	...	...	...	...	...	...	6,463	...	...	6,463	9,77,256	1,83,141	...	...	11,60,3[illegible]	[illegible]
Multan ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1,29,752	2,40,702	...	...	3,70,454	3,55,099
Total ...	300	60,986	...	1,72,544	2,33,833	...	5,027	3,52,510	21,112	3,78,649	4,138	1,156	...	...	5,294	585	76,912	28,309	8,01,426	9,07,289	11,10,626	7,11,999	8,394	2,25,96,017	2,44,17,636	2,59,42,1[illegible]

ABSTRACT.

Reserved Forests	5,51,773	1,47,047	60	6,808	7,05,688	9,183	5,348	...	4,137	18,868	2,93,075	421	...	...	2,93,496	1,042	542	...	...	1,584	12,52,113	5,48,329	38,963	6,54,746	24,94,151	35,13,587
Protected ,,	...	10,479	...	1,020	11,499	...	12	...	...	12	...	7	...	...	7	...	37	...	...	37	...	78,454	...	16,79,803	17,58,257	17,69,812
Unclassed ,,	300	60,988	...	1,72,544	2,33,832	...	5,027	3,52,510	21,112	3,78,649	4,138	1,156	...	...	5,294	585	76,912	28,366	8,01,426	9,07,289	11,10,626	7,11,999	8,394	2,25,86,017	2,44,17,036	2,59,42,100
Grand Total ...	5,52,073	2,18,514	60	1,80,372	9,81,019	9,183	10,387	3,52,510	25,249	3,97,329	2,97,213	1,584	...	...	2,98,797	1,627	77,491	28,366	8,01,426	9,08,910	23,62,739	13,38,782	47,357	2,49,20,566	2,86,69,444	3,12,25,499
GRAND TOTAL FOR 1892-93. (15 months)	6,12,866	4,00,711	510	2,65,549	12,79,636	6,374	8,612	3,01,967	18,334	3,35,287	2,67,051	3,358	99,150	...	3,69,559	3,580	87,796	26,209	2,21,511	3,39,098	26,09,258	11,27,127	62,844	3,06,53,413	3,44,52,642	3,67,76,220

Hazára Division—(*a*). Estimated value Rs. 50.
(*b*). Estimated value Rs. 194.
(*c*). Estimated value Rs. 1,166.
Ráwalpindi ,, —(*d*). Estimated value Rs. 47,910.
(*e*). Estimated value Rs. 7,323.
(*f*). Estimated value Rs. 528.
Jhelum ,, —(*g*). 41,536 cubic feet firewood under free grants, valued at Rs. 2,491.
(*h*). 4,08,490 cubic feet fuel under right-holders, estimated value Rs. 23,281.
Chamba ,, —(*i*). Estimated value Rs. 139.
Kángra ,, —(*j*). Estimated value Rs. 8,893.
Kullu ,, —(*k*). 28,366 cubic feet timber under free grants, valued at Rs. 2,459.
(*l*). 8,01,426 cubic feet timber under right-holders, valued at Rs. 12,531.
(*m*). 1,33,70,000 cubic feet fuel under right-holders, valued at Rs. 69,350.
Bashahr ,, —(*n*). 3,52,510 cubic feet timber under free grants, valued at Rs. 5,476.
(*o*). 85,35,043 cubic feet fuel under right-holders, valued at Rs. 1,68,000.
Simla Hill Tracts ,, (*p*). Estimated value Rs. 369.
(*q*). 69,786 cubic feet fuel under right-holders, valued at Rs. 1,478.

Form No. 58.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1893-94.

Division.	Description of Produce.	Produce removed or utilized. By Government Agency. Quantity.	By Government Agency. Value.	By Purchasers. Quantity.	By Purchasers. Value.	By Free grants. Quantity.	By Free grants. Value.	By Right-holders. Quantity.	By Right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
			Rs.		Rs.		Rs.		Rs.		Rs.	
	Reserved Forests.											
Hazara ...	Grazing by leases (acres)	...	...	24,828	1,000	...	...	...	...	24,828	1,000	
	" by permits (number of cattle) ...	...	...	6,322	1,210	...	...	...	...	6,822	1,210	
	" by settlement (acres)	...	...	...	...	...	...	10,422	357	10,422	357	1,110 cattle.
	Grass (head-loads)	...	...	48,000	970	1,440	24	...	...	49,440	994	
	" by leases (acres)	...	...	68,000	4,193	..	...	...	...	68,000	4,193	
	" by settlement (acres)	...	...	...	..	...	...	3,072	276	3,072	276	
	Leaf fodder by settlement (acres)	...	...	...	...	...	...	446	50	446	50	
	Dhák and barungi leaves (head-loads) ...	...	...	175	3	...	...	...	...	175	3	
	Bhan and imli leaves (head-loads)	...	...	72	18	...	...	...	...	72	18	
	" " (maunds)	20	60	...	...	...	...	...	...	20	60	
	Chir bark (head-loads)	...	...	78	1	...	...	...	...	78	1	
	Kuth roots (maunds)	9	98	..	...	...	...	...	...	9	98	
	Podophyllum emodi roots (maunds) ...	11	84	...	...	...	...	...	...	11	84	
Rawalpindi ...	Grazing by leases (acres)	...	...	10,872	532	...	...	...	...	10,872	532	
	" (number of cattle)	...	...	19,279	940	...	...	23,494	39,403	42,773	40,343	
	Grass cutting by leases (acres)	...	...	91,270	7,149	...	...	...	...	91,270	7,149	
	" " (head-loads)	...	...	7,946	497	...	...	...	...	7,946	497	
	" " (maunds)	...	...	...	...	...	...	94,668	2,958	94,668	2,958	
	Sanatha (head loads)	...	...	401	25	...	...	...	...	401	25	
	" (bullock loads)	...	..	13	3	...	...	...	...	13	3	
	Marwan (behzgi ")	...	...	65	4	...	...	...	...	65	4	
	Stone (cubic feet)	...	..	800	4	...	...	...	...	800	4	
	Aola leaves by lease (acres)	...	...	4,603	79	...	...	...	...	4,603	79	
	Grass confiscated (head-loads)	...	...	5	...	...	...	...	...	5	...	
	" " (sers)	...	...	12	...	...	...	..	...	12	...	
	Bhabar ropes confiscated (number) ...	...	...	25	...	...	...	...	...	25	...	

Jhelum ...	Grazing by leases (acres)	...	...	78,820	3,297	...	...	...	...	78,820	3,297	
	" by permits under settlement (number of cattle).	...	...	411	30	...	7	17,535	1,891	17,946	1,928	
	" by permits (number of cattle) ...	...	...	3,279	1,533	...	...	...	...	3,279	1,533	
	Grass cutting by leases (acres)	...	...	87,335	5,927	...	...	...	...	87,335	5,927	
	" (loads)	...	...	278	308	...	..	...	...	278	308	
	Stone (cubic feet)	...	...	68,000	170	10,38,400	2,596	...	...	11,06,400	2,766	
	Reed (maunds)	...	..	345	27	...	...	...	...	345	27	
	Káhi (acres)	...	...	12	105	..	...	...	..	12	105	
	Coal (tons)	...	...	2,283	285	...	...	...	...	2,283	285	
	Other minor produce (maunds)	...	...	6	11	...	...	...	...	6	11	
Chenab ...	Grazing by leases (acres)	...	...	34,570	6,619	...	...	...	...	34,570	6,619	
	" by permits (cattle)	...	...	2,026	1,217	...	...	...	...	2,026	1,217	
	Grass by leases (acres)	...	...	3,799	619	...	...	...	...	3,799	619	
	" (loads)	...	...	13,921	854	...	...	...	...	13,921	854	
	Babekar (acres)	..	...	1,556	125	...	...	...	...	1,556	125	
	Pilchi (")	..	...	638	25	...	...	...	...	638	25	
	Mallahpatra (acres)	..	...	23,726	648	...	...	...	...	23,726	648	
	" (loads)	...	...	918	17	...	...	...	...	918	17	
	Kankar (cubic feet)	...	...	5,600	28	...	...	...	...	5,600	28	
	Stone (")	...	...	100	3	...	...	...	...	100	3	
Chamba ...	Grass (maunds)	...	...	15,755	644	...	...	...	...	15,755	644	
	Podophyllum emodi roots (maunds) ...	4	34	...	...	...	...	...	...	4	34	
Kangra ...	Bamboos (number)	4,55,945	8,157	2,973	39	...	...	..	...	4,58,918	8,196	
	Grass (acres)	...	...	41,423	2,244	...	...	...	...	41,423	2,244	
	Grazing (acres)	...	...	470	47	...	...	...	...	470	47	1,270 sheep and goats.
	Mill stones (cubic feet)...	...	...	9	1	...	...	...	...	9	1	
	Other minor produce	...	...	...	38	...	...	...	...	...	38	
Simla Hill Tracts	Grass and grazing (number of cattle) ...	...	...	...	...	...	...	2,908	1,454	2,908	1,454	
Ambala ...	Grazing (number of cattle)	...	...	201	65	...	...	...	...	201	65	
	" by leases (acres)	...	...	3,077	100	...	...	...	...	3,077	100	
	Grass cutting by leases (acres)	...	...	271	536	...	...	...	...	271	536	
	Bamboos (number)	...	...	1,420	11	...	...	...	...	1,420	11	
	Bhabar and other grasses (loads)	...	...	73	18	...	...	...	...	73	18	Cart loads ... ... 34 Head " 39
	Minor produce by leases (acres)	...	...	3,471	180	...	...	...	...	3,471	180	Total ... 73
Lahore ...	Grass by permits (loads)	...	.	1,367	113	...	...	...	...	1,367	113	
	" by leases (acres)	...	..	444	120	...	...	...	...	444	120	
	Grazing by permits (number of cattle) ...	...	...	12,877	8,678	...	...	...	...	12,877	8,678	
	Munj, kána and sar by leases (acres) ...	...	...	3,427	992	...	...	...	...	3,427	992	
	" " " by permits (loads) ...	...	...	219	23	...	...	...	...	219	23	
	Káhi by leases (acres)	...	...	10	60	...	..	...	...	10	60	
	Dhák leaves (maunds)	...	...	50	8	...	...	...	...	50	8	
	Panni (loads)	...	...	109	7	...	...	..	..	109	7	

Form No. 58.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1893-94—*continued.*

Division.	Description of Produce.	PRODUCE REMOVED OR UTILIZED. By Government Agency. Quantity.	By Government Agency. Value.	By Purchasers. Quantity.	By Purchasers. Value.	By Free Grants. Quantity.	By Free Grants. Value.	By Right-holders. Quantity.	By Right-holders. Value.	Total. Quantity.	Total. Value.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
			Rs.		Rs.		Rs.		Rs.		Rs.	
	Reserved Forests—*concluded.*											
Montgomery	Grazing by leases (acres)	...	...	49,858	6,535	.	...	...	...	49,858	6,535	
	„ by permits (cattle)	...	...	564	56	...	...	...	...	564	56	
	Grass (maunds)	...	...	13	1	...	...	...	...	13	1	
	„ cutting by leases (acres)	...	...	22,820	1,097	...	...	...	...	22,820	1,097	
	„ (loads)	...	...	16,168	875	...	...	...	...	16,168	875	Donkey loads ... 9,060 Camel loads ... 3 Pony „ ... 324 Head „ ... 6,781 Total ... 16,168
	Munj, kána (acres)	...	...	30,112	1,207	...	...	...	...	30,112	1,207	
	Mallah leaves (acres)	...	...	20,890	78	...	...	...	...	20,890	78	
	Lani (acres)	...	...	12,430	58	...	...	...	...	12,430	58	
	Isupgole (acres)	...	...	2,264	10	...	...	...	...	2,264	10	
	Kána (loads)	...	...	135	19	...	...	...	...	135	19	Donkey loads ... 19 Head loads ... 116 Total ... 135
	Sar (loads)	...	...	13,009	69	...	...	...	...	13,009	69	Donkey loads ... 9 Head loads ... 13,000 Total ... 13,009
Multan	Grass (maunds)	350	88	589	84	...	...	...	...	939	172	
	„ (loads)	...	...	489	47	...	...	...	...	489	47	
	Grazing by permits (number of cattle) ...	...	...	28,482	4,761	...	...	...	45	28,482	4,806	
	„ by leases (acres)	...	...	7,249	991	..	...	...	...	7,249	991	
	Munj, kána (maunds)	...	...	539	107	..	..	...	...	539	107	
	Fruits (maunds)	...	...	343	85	..	...	...	...	343	85	
	Sajji (maunds)	...	...	80	40	..	.	...	...	80	40	
	Total from Reserved Forests ...	...	8,521	...	68,520	...	2,627	...	46,434	...	1,26,102	

						Protected Forests.					
Rawalpindi	Grazing by permits (number of cattle)	...	...	2,036	34	...	...	...	...	2,036	34	
	„ by settlement (number of cattle)	...	..	...	...	...	...	45,272	87,014	45,272	87,014	
	Bhabar grass (head-loads)	...	...	104	6	...	...	...	..	104	6	
	Stone (cubic feet)	...	...	500	3	...	...	...	...	500	3	
Chenab	Grazing by leases (acres)	...	...	89,553	17,370	...	...	...	...	89,553	17,370	
	„ by permits (cattle)	...	...	3,278	633	...	..	...	...	3,278	633	
	Total from Protected Forests	..	...	...	18,046	...	...	...	87,014	...	1,05,060	
						Unclassed Forests.					
Rawalpindi	Grazing by leases (acres)	...	...	79,089	2,683	...	...	..	...	79,089	2,683	
	Sanatha (head-loads)	...	..	...	...	...	...	12	1	12	1	
	Stone (cubic feet)	...	...	3,000	15	...	...	...	...	3,000	15	
	„ (maunds)	...	...	1,000	2	...	...	...	...	1,000	2	
Jhelum	Grazing by leases (acres)	...	...	1,51,208	3,818	...	...	...	...	1,51,208	3,818	
	„ by permits (cattle)	...	..	4,495	393	...	..	...	...	4,495	393	
	„ by settlement (cattle)	...	...	22,438	1,264	122	14	7,828	1,994	30,388	3,272	
	Grass cutting (loads)	...	...	199	99	3	2	...	...	202	101	
	Reed (maunds)	...	...	249	21	...	...	...	...	249	21	
	Stone (cubic feet)	...	...	2,300	6	...	...	...	...	2,300	6	
Chenab	Grazing by leases (acres)	...	...	25,537	12,820	...	...	...	...	25,537	12,820	
	„ by permits (cattle)	...	...	40,775	9,279	...	...	...	...	40,775	9,279	
	Grass by leases (acres)	...	...	249	141	...	...	...	...	249	141	
	„ (loads)	...	...	45	4	...	...	...	...	45	4	
	Mallahpatra (acres)	...	...	1,695	103	...	...	...	...	1,695	103	
	Munj, kána (acres)	...	...	1,624	36	...	...	...	...	1,624	36	
	Pilchi (acres)	...	...	7,677	146	...	..	...	...	7,677	146	
	Other minor produce (loads)	...	...	6	1	...	...	...	...	6	1	
Kangra	Bamboos (number)	46,939	896	23,543	140	...	...	...	...	70,482	1,042	
	Grass (acres)	...	...	3,803	206	...	...	...	...	3,803	206	
	Grazing (acres)	..	...	29,360	2,936	...	...	...	...	29,360	2,936	61,490 sheep and goats.
	Other minor produce	...	...	...	5	...	...	...	...	...	5	
Kullu	Grass (maunds)	...	...	...	...	...	...	26,50,000	26,500	26,50,000	26,500	
	„ (loads)	...	..	120	4	...	...	..	...	120	4	
	„ (acres)	...	...	209	14	...	...	...	...	209	14	
	Grazing (heads) cattle, sheep, &c.	..	...	4,09,724	3,423	...	...	93,502	3,909	5,03,226	7,332	
	Vegetable mould (maunds)	...	...	...	...	...	...	12,07,575	24,000	12,07,575	24,000	
	Patis (*Aconite*) (maunds)	...	...	...	...	...	...	100	3,500	100	3,500	
	Karu (*Gentian*) („)	...	...	...	...	...	...	400	2,000	400	2,000	
	Egilbir (maunds)	...	...	...	...	...	...	40	400	40	400	
	Dhúp (*Juniperus communis*) (maunds)	..	...	...	...	...	...	50	94	50	94	
	Binafsha (*Viola serpens*) (maunds)	...	..	...	...	...	...	60	2,400	60	2,400	
	Khut (*Aucklandia*) (maunds)	...	...	...	...	...	...	19	190	19	190	
	Nihani (*Valariana*) („)	...	...	...	...	...	...	4	21	4	21	
	Tatakbar (Horse chestnut) (maunds)	...	...	..	..	...	...	30	60	30	60	
	Carraway seed (*síra*) (maunds)	...	...	...	.	...	..	20	400	20	400	
	„ (*singhu*) (maunds)	...	...	..	..	...	...	10	100	10	100	
	Sheroli nuts (maunds)	..	...	...	..	...	...	3	6	3	6	
	Pomegranate seed (maunds)	...	...	...	...	...	...	10	30	10	30	
	Slates (number)	..	...	150	..	...	...	...	..	150	...	
	Podophyllum emodi roots (maunds)	4	34	...	...	...	...	...	...	4	34	

Form No. 58.

OUTTURN OF MINOR FOREST PRODUCE DURING THE YEAR 1893-94—*concluded.*

Division.	Description of Produce.	Produce removed or utilized. By Government Agency. Quantity.	Value.	By Purchasers. Quantity.	Value.	By Free grants. Quantity.	Value.	By Right-holders. Quantity.	Value.	Total. Quantity.	Value.	Remarks.
1	2	3	4	5	6	7	8	9	10	11	12	13
			Rs.				Rs.		Rs.		Rs.	
	Unclassed Forests—*concluded.*											
Bashahr ...	Grazing (cattle)	...	...	...	...	...	...	94,191	5,664	94,191	5,664	
	Grass and other fodder (maunds)	...	...	...	...	...	...	33,24,881	17,317	33,24,881	17,317	
	Branches and vegetable mould, &c., for manure (maunds).	...	...	...	...	...	...	8,19,708	8,538	8,19,708	8,538	
	Podophyllum emodi roots (maunds) ...	3	24	...	...	...	...	...	...	3	24	
	Other minor produce (maunds)	...	..	...	...	...	...	500	2,500	500	2,500	
Simla Hill Tracts.	Grazing by permits (cattle)	...	...	53	53	...	...	...	...	53	53	
	Grass (acres)	...	...	710	2,000	...	...	...	...	710	2,000	
	„ (maunds)	600	450	191	21	...	...	...	...	791	471	
	Stone (cubic feet)	...	...	725	4	...	...	...	...	725	4	
Lahore ...	Grass by leases (acres)	...	...	500	305	...	...	...	...	500	305	
	„ by permits (loads)	...	...	11	7	...	...	...	...	11	7	
	„ (maunds)	...	...	286	61	...	...	...	...	286	61	
	Grazing by leases (acres)	...	...	59,417	9,667	..	...	...	...	59,417	9,667	
	„ by permits (number of cattle) ...	...	...	48,814	34,090	205	223	...	...	49,019	34,313	
	Munj, kána and sar by leases (acres) ...	...	...	26,006	1,060	...	...	...	...	26,006	1,060	
	Kankar (kanals)	...	...	18	82	...	...	...	...	18	82	
	„ (cubic feet)	...	...	2,000	25	...	...	...	...	2,000	25	
	Bricks (number)	...	...	8,46,874	162	...	...	...	...	8,46,874	162	
	Saltpetre (kilns)	...	...	7	74	...	...	...	...	7	74	
Montgomery ...	Grazing by leases (acres)	...	...	4,85,029	27,843	...	...	...	...	4,85,029	27,843	
	Máin by leases (acres)	...	...	4,85,029	858	...	...	...	...	4,85,029	858	
	Saltpetre (pans)	...	...	14	200	...	...	...	...	14	200	
	Munj, kána (acres)	...	...	1,35,030	676	..	...	...	...	1,35,030	676	
	Mallah leaves (acres)	...	..	39,194	37	...	...	...	...	39,194	37	
	Lani (acres)	...	...	28,230	38	...	...	...	...	28,230	38	
	Kankar (maunds)	...	...	3,400	17	...	...	...	...	3,400	17	
	Kána (loads)	...	...	49	11	...	...	...	...	49	11	Donkey loads ... 35 Head-loads ... 14 Total ... 49
	Sar (head loads)	...	...	100	3	...	...	...	...	100	3	
	Other minor produce (maunds)	...	...	700	7	...	...	...	...	700	7	

Multan ... Grazing by permits (number of cattle) ...	...	...	931	124	...	...	...	...	931	124
" by leases (acres)	...	...	85,961	7,271	...	...	...	...	85,961	7,271
Munj, kána (maunds)	...	...	300	217	...	...	...	...	300	217
Fruits (maunds)	..	...	7	9	...	...	...	...	7	9
Other minor produce (maunds)	...	...	60	7	...	...	...	...	60	7
Total from Unclassed Forests ...	...	1,404	...	1,22,494	...	239	...	99,624	...	2,23,761
				Abstract of Reserved Forests.						
Grazing	...	...	...	37,611	..	7	...	43,150	...	80,768
Grass	...	88	..	26,278	...	24	...	3,234	...	29,624
Bamboos	...	8,157	...	50	..	...	...	.	...	8,207
Other minor produce	...	276	...	4,581	...	2,596	...	50	...	7,503
Total ...	...	8,521	...	68,520	...	2,627	...	46,434	...	1,26,102
				Abstract of Protected Forests.						
Grazing	..	..	..	18,037	...	..	...	87,014	...	1,05,051
Other minor produce	...	...	...	9	...	...	.	..	...	9
Total ...	...	...	...	18,046	...	..	..	87,014	...	1,05,060
				Abstract for Unclassed Forests.						
Grazing	...	...	...	1,15,664	..	237	...	11,567	...	1,27,468
Grass	...	450	...	2,862	...	2	.	43,817	...	47,131
Bamboos	...	896	...	146	...	...	...		...	1,042
Other minor produce	...	58	...	3,822	...	...	...	44,240	...	48,120
Total ...	...	1,404	...	1,22,494	...	239	...	99,624	...	2,23,761
GRAND TOTAL ...	...	9,925	...	2,09,060	...	2,866	...	2,33,072	...	4,54,923
GRAND TOTAL FOR 1892-93 (15 months). ...	...	13,058	...	2,68,992	...	1,257	...	2,67,493	...	5,50,800

Rs. 4,54,923

Add—

		Rs.	
Hazára	Division—Outstanding of former years	194	
Ráwalpindi	do. do. do.	1,964	
Jhelum	do. do. do.	5,916	
Chenáb	do. do. do.	24,897	
Kángra	do. Advance from traders for bamboos not yet delivered	103	
Do.	do. Value of bamboos purchased for rafting purposes and erroneously credited to R. I. c.	12	
Simla Hill Tracts	Division—Value of last year's produce ...	302	
Ambala	Division—Value of bamboos purchased for rafting purposes and erroneously credited to R. I. c.	126	
Lahore	do. Outstanding of former years	7,238	
Montgomery	do. do. do.	20,608	
Multan	do. do. do.	832	
Do.	do. Value of last year's produce ...	26	
			62,218

Deduct—

		Rs.	
Hazára	Division—Outstanding at end of 1893-94 ...	403	
Do.	do. Value of produce written off ...	60	
Do.	do. Value of produce supplied to the Reporter on Economic Products.	84	
Ráwalpindi	do. Outstanding at end of 1893-94	1,849	
Jhelum	do. do. do .	6,567	
Chenáb	do. do. do. ...	23,456	
Chamba	do. Value of produce supplied to the Reporter on Economic Products.	34	
Kullu	do. do. do. ..	34	
Bashahr	do. do. do. ...	24	
Simla Hill Tracts	Division—Value of produce unsold ...	450	
Lahore	Division—Outstanding of 1893-94 ...	8,630	
Montgomery	do. do at end of 1893-94 ...	28,679	
Multan	do. do. do. ...	1,584	
Total under "Free Grants" and "Right-holders"	...	2,35,938	
			3,07,742

Net deduction	2,45,524
Total Receipts under Ic, Ie, IIc, IId, IIe and part III (Rs. 4).	2,09,399

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, DURING THE YEAR 1893-94.

TIMBER.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	4	4	5
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Hazára Division.				
Pine and other trees	32	11,019		
Deodar logs ...	1,545	78,541		
Pine and other logs	678	30,299		
Deodar scantlings ...	48	58		
Pine and other scantlings	5,282	7,275		
			7,585	1,33,102
Jhelum Division.				
Deodar logs ...	1,699	50,155		
Pine and other logs	681	16,608		
Sleepers	325	1,002		
Miscellaneous pieces	76	139		
			2,781	76,904
Chenáb Division.				
Deodar logs ...	19	352		
Pine and other logs	1	13		
B. G. sleepers ..	20	78		
Miscellaneous pieces	42	108		
			82	751
Chamba Division.				
Forest Depôts.				
Deodar trees ...	1,435	6,56,127		
Pine and other trees	12	1,895		
Deodar logs ...	4,567	1,37,356		
Pine and other logs	545	7,543		
Deodar sleepers and scantlings ...	5,868	20,398		
Pine and other scantlings.	776	3,708		
Sale Depôts.				
Deodar logs ...	1,804	55,054		
Pine and other logs	514	8,066		
Deodar sleepers and scantlings ...	15,589	40,496		
Pine and other scantlings	877	967		
			32,077	9,37,610
Kángra Division.				
Deodar logs ...	335	18,324		
Pine and other logs	19	424		
B. G. sleepers ...	30	103		
N. G. " ...	20	38		
Miscellaneous scantlings	16	24		
Miscellaneous pieces	4	5		
Drift and waif ...	20	80		
			444	18,908
Kullu Division.				
B. G. sleepers ...	1,651	5,729		
N. G. " ...	284	532		
Deodar scantlings ...	64	101		
" piece ...	1	48		
Miscellaneous pieces	3	3		
			2,003	6,413
Carried over ...	...	...	44,972	11,73,958

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
DISPOSALS.				
(1).—TRUE DISPOSALS.				
Removed by Purchasers from Depôts.				
Pine and other trees	3	61		
Deodar logs ...	18,201	4,89,010		
Pine and other logs	11,533	2,14,244		
Box-wood logs ...	1,950	1,230		
B. G. sleepers ...	102	352		
N. G. " ...	26	34		
Deodar " ...	1,409	4,749		
Sleepers	1,243	3,830		
Pine sleepers ...	12	44		
Deodar sleepers and scantlings ...	21,262	59,018		
Deodar scantlings	226	330		
Pine and other scantlings	23,251	22,284		
Miscellaneous pieces	5,103	18,134		
Tors and ballás ...	1,682	2,447		
Confiscated and waif pieces	179	484		
Drift and waif ...	831	2,766		
			87,073	8,19,629
Used by Department.				
Deodar logs ..	106	2,485		
Pine and other logs	1	155		
Sleepers	2	7		
Deodar sleepers and scantlings ...	2,358	2,171		
Deodar scantlings...	1,250	3,125		
Deodar poles ...	32	42		
Pine and other scantlings	573	534		
Miscellaneous pieces	114	719		
Drift and waif ...	1	10		
			4,437	9,248
Made over to Contractors.				
Deodar logs ...	13	586		
Pine and other logs	2	81		
Miscellaneous pieces	433	1,688		
			448	2,355
Lost by Wastage.				
Deodar trees ...	...	4,19,898		
Pine and other trees	...	82,895		
Deodar logs ...	...	1,97,960		
Pine and other logs	...	17,924		
Miscellaneous pieces	...	63		
			...	7,18,240
Lost by Remeasurement and struck off from other causes.				
Deodar trees ...	...	67,731		
" logs ...	1,713	1,14,547		
Pine and other logs	685	32,380		
B. G. sleepers ...	62	215		
N. G. " ...	40	74		
Sleepers	60	208		
			...	...
Carried over ...	2,500	2,15,150	91,958	15,49,472

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, DURING THE YEAR 1893-94—*continued.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
Brought forward...	...	..	44,972	11,78,958
Bashahr Division.				
Forest Depôts.				
Deodar trees ...	16	4,405		
„ logs ...	4,513	2,09,207		
Pine and other logs	162	6,618		
B. G. sleepers ..	1,704	5,914		
Deodar scantlings ...	2,587	6,405		
Sale Depôts.				
Box-wood logs ...	8,492	5,338		
			17,474	2,37,887
Ambala Division.				
Deodar logs ...	9,502	2,51,350		
Pine and other logs	458	8,888		
Box-wood logs ..	24	17		
B. G. sleepers ...	1,837	6,374		
N. G. „ ...	67	89		
Confiscated B. G. sleepers	25	87		
Confiscated N. G. sleepers	10	18		
Confiscated scantlings	9	13		
Miscellaneous pieces	609	1,801		
Tors and ballás ...	1,405	2,127		
			13,946	2,70,759
Lahore Division.				
Logs	417	3,043		
			417	3,043
TOTAL BALANCE ...		...	76,809	16,85,647
RECEIPTS.				
(1).—TRUE RECEIPTS.				
RECEIVED FROM FORESTS DURING THE YEAR.				
Deodar trees ...	3,985	12,19,478		
Pine and other trees	1,198	2,49,222		
Deodar logs ...	3,860	95,670		
Pine and other logs	280	4,065		
Deodar sleepers and scantlings ...	1,051	804		
Pine and other scantlings	19	19		
Miscellaneous pieces	20	584		
Tors and ballás ...	6,059	8,212		
			16,475	15,78,054
RECEIVED BY CONFISCATION.				
Pine and other trees	3	61		
Pine and other scantlings	3,620	3,452		
Miscellaneous pieces	104	43		
			3,727	3,556
Carried over ...	...	...	20,202	15,81,610

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
Brought forward...	2,560	2,15,150	91,958	15,49,472
Deodar sleepers and scantlings ...	1	3		
Pine and other scantlings	22	74		
Miscellaneous pieces	92	130		
Tors and ballás ...	60	115		
			2,785	2,15,472
DESPATCHED FROM FORESTS BUT NOT YET RECEIVED.				
Deodar logs ...	3,655	1,88,735		
Pine and other logs	3,023	94,186		
B G. sleepers ...	9	83		
Deodar sleepers and scantlings ...	87,888	2,93,014		
Pine and other scantlings	1,731	.8,444		
Miscellaneous pieces	5,288	39,074		
			1,01,594	6,25,286
TRANSFERRED TO DRIFT.				
Deodar logs ...	1	13		
„ sleepers ...	1	3		
			2	16
TOTAL TRUE DISPOSALS	...	...	1,96,289	23,90,246
(2).—CROSS DISPOSALS.				
TRANSFERRED TO OTHER CLASSES.				
Deodar trees ...	4,078	8,06,123		
Pine and other trees	1,191	1,44,688		
Deodar logs ...	13,474	2,23,567		
Pine and other logs	1,949	20,597		
Miscellaneous pieces	1	59		
Tors and ballás ...	90	231		
			20,783	(a) 11,95,265
TRANSFERRED TO OTHER DEPOTS.				
Deodar logs ...	6,020	1,69,084		
Pine and other logs	870	24,240		
B. G. sleepers ...	10,351	35,912		
N. G. „ ...	1,746	3,267		
Deodar „ ...	667	1,998		
„ „ and scantlings ...	3,551	5,401		
Pine and other scantlings	17,132	16,269		
Miscellaneous pieces	197	315		
Drift and waif ...	172	347		
			40,706	2,56,833
TOTAL CROSS DISPOSALS	...	...	61,489	14,52,098
TOTAL DISPOSALS ...			2,57,778	38,42,344

(a).—1,170 cubic feet transferred to shingles (*vide* Form No. 59 for miscellaneous produce).
9,546 cubic feet transferred to firewood and charcoal (*vide* Form No. 59 for firewood and charcoal).
1,85,576 cubic feet which were received in advance by conversion during 1892-93 have this year been adjusted on the disposal side.

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, DURING THE YEAR 1893-94—*continued.*

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
Brought forward...	...	...	20,202	15,81,610
Received by collection of drift and waif.				
Deodar trees ...	9	1,448		
Pine and other trees	51	8,850		
Deodar logs ...	368	14,443		
Pine and other logs	818	19,650		
Miscellaneous pieces	5,288	39,974		
Confiscated and waif pieces	179	484		
			6,713	84,853
Received in Forest cases.				
Sleepers	8	24		
Miscellaneous pieces	213	237		
			221	261
Gained by remeasurement.				
Deodar logs ...	...	119		
			...	119
Drift timber transferred to Government Account.				
Deodar logs ...	1,375	10,145		
Pine and other logs	1,734	21,243		
B. G. sleepers ..	32	111		
N. G. " ...	26	34		
Deodar sleepers ...	1,138	3,690		
Sleepers	60	211		
Deodar sleepers and scantlings ...	12	15		
Deodar scantlings ...	218	817		
Pine sleepers ...	32	114		
Pine and other scantlings	28	108		
Miscellaneous pieces	3,759	16,338		
Drift and waif wood	1,153	3,345		
			9,590	64,666
Unmarked Timber received during the year.				
Deodar logs ...	2,664	68,099		
Pine and other logs	6,948	1,65,910		
Sleepers	938	2,823		
Miscellaneous pieces	586	756		
			11,136	2,37,587
Received from previous Launchings.				
Deodar logs ...	2,978	93,962		
Pine and other logs	2,189	28,042		
B. G. sleepers ...	104	357		
N. G. " ...	10	76		
Sleepers	27	80		
Deodar sleepers and scantlings ...	85,007	2,55,[illegible]		
Pine and other scantlings	693	1,393		
Miscellaneous pieces	163	245		
			91,121	3,79,363
TOTAL TRUE RECEIPTS	...	...	1,38,089	23,48,461

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
BALANCE AT CLOSE OF THE YEAR.				
Hazára Division.				
Forest Depôts.				
Pine and other trees	28	8,085		
Deodar logs ...	2,113	89,342		
Pine and other logs	383	14,035		
Pine and other scantlings	168	188		
Sale Depôts.				
Deodar scantlings	31	31		
Pine and other scantlings	2,549	4,028		
			5,272	1,16,609
Jhelum Division.				
Deodar logs ...	594	16,540		
Pine logs	876	21,611		
Sleepers	61	189		
Miscellaneous pieces	8	74		
			1,589	38,414
Chenáb Division.				
Deodar logs ...	210	7,134		
Pine logs	295	7,637		
Deodar sleepers ...	445	1,331		
Pine sleepers ...	20	70		
Miscellaneous pieces	120	183		
			1,090	16,355
Chamba Division.				
Forest Depôts.				
Deodar trees ...	1,335	5,80,971		
Pine and other trees	73	35,663		
Deodar logs ...	4,712	1,49,753		
Pine and other logs	251	12,073		
Deodar sleepers and scantlings ...	22,177	70,861		
Pine and other scantlings	2,270	7,965		
Sale Depôts.				
Deodar logs ...	1,820	51,513		
Pine logs... ...	823	11,206		
Deodar sleepers and scantlings ...	46,028	1,30,205		
Pine and other scantlings	2,091	2,156		
			81,508	10,58,366
Kángra Division.				
Deodar logs ...	383	23,799		
Pine logs	9	301		
B. G. sleepers ...	2,416	8,381		
N. G. " ...	403	924		
Miscellaneous pieces	13	15		
Drift and waif ...	341	649		
			3,625	34,069
Kullu Division.				
B. G. sleepers ...	357	1,238		
N. G. " ...	67	126		
Deodar piece ...	1	48		
" scantlings...	64	101		
Miscellaneous ...	83	52		
			572	1,565
Carried over ...	...	...	93,096	12,65,878

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, DURING THE YEAR 1893-94—*continued.*

Particulars.	No or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
(2).—CROSS RECEIPTS.				
RECEIVED BY TRANSFER FROM OTHER CLASSES.				
Deodar logs ...	21,278	7,94,640		
Pine and other logs	5,349	1,41,914		
B. G. sleepers ...	3,520	12,288		
N. G. „ ...	256	478		
Deodar sleepers and scantlings ...	73,014	2,42,563		
Deodar scantlings ...	1,462	1,873		
„ poles ...	32	42		
Pine and other scantlings	22,052	30,140		
Miscellaneous pieces	490	6,207		
Tors and ballás ...	90	231		(b)
			1,27,548	12,30,376
RECEIVED BY TRANSFER FROM OTHER DEPOTS.				
Deodar logs ...	6,020	1,69,084		
Pine and other logs	870	24,240		
B. G. sleepers ...	10,351	35,912		
N. G. „ ...	1,740	3,267		
Deodar sleepers ...	1,485	4,442		
„ sleepers and scantlings ...	2,738	2,957		
Pine and other scantlings	17,132	16,269		
Miscellaneous pieces	197	315		
Drift and waif wood	172	347		
			40,706	2,56,833
TOTAL CROSS RECEIPTS ...	...	...	1,68,254	14,87,209
TOTAL RECEIPTS ..		...	3,07,243	38,35,670
GRAND TOTAL	...	...	3,84,052	55,21,317
GRAND TOTAL FOR 1892-93 ... (15 months).	...	...	3,22,440	48,24,595

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
Brought forward ..	...	...	93,690	12,05,378
Bashahr Division.				
Forest Depôts.				
Deodar trees ...	33	6,732		
„ logs ...	6,069	2,53,041		
Pine „ ...	360	13,751		
B. G. sleepers ...	2,813	9,837		
Deodar scantlings...	2,799	5,153		
Miscellaneous pieces	120	5,204		
Sale Depôts.				
Box-wood logs ...	6,566	4,125		
			18,700	2,98,763
Ambala Division.				
Deodar logs ...	3,515	86,447		
Pine and other logs	244	4,978		
B. G. sleepers ...	3,406	11,817		
N. G. „ ...	08	90		
Confiscated B. G. sleepers	10	34		
Confiscated N. G. sleepers	10	13		
Confiscated scantlings	18	21		
Miscellaneous pieces	403	750		
Tors and ballás ...	5,722	7,777		
			13,396	1,11,936
Lahore Division.				
Logs	331	2,477		
			331	2,471
Multan Division.				
Deodar logs ...	6	144		
Pine „ ...	1	35		
Deodar sleepers ...	73	197		
Pine scantlings ...	6	20		
Miscellaneous pieces	5	29		
			91	425
TOTAL BALANCE ...		...	1,26,274	16,78,973
GRAND TOTAL	...	...	3,84,052	55,21,317
GRAND TOTAL FOR 1892-93 ... (15 months).	...	...	3,22,440	48,24,595

(*b*). 2,794 cubic feet solid equal to 4,164 cubic feet stacked, received by transfer from firewood (*vide* Form No. 59 for firewood and charcoal).

1,78,609 cubic feet shown under Cross Receipts were obtained in advance by conversion of trees which are included in the closing balance of 1893-94 and will be shown as disposed of on completion of sawing work.

ABSTRACT.

BALANCE IN HAND AT COMMENCEMENT OF THE YEAR ...	...	...	76,809	16,85,647
TOTAL BALANCE ...		...	76,809	16,85,647

DISPOSALS.				
(1).—TRUE DISPOSALS.				
Removed by purchasers from Depôts	...	..	87,078	8,19,629
Used by Department	...	...	4,437	9,248
Carried over ...	...	...	91,510	8,28,877

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, DURING THE YEAR 1893-94—*concluded*.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5	6	7	8	9	10
RECEIPTS					*Brought forward...*	...	...	91,510	8,28,877
(1).—TRUE RECEIPTS.					Made over to contractors	...	...	448	2,355
					Lost by wastage ...	...	...	...	7,18,240
Received from Forests during the year	...	...	16,475	15,78,054	Lost by remeasurement and struck off from other causes	...	...	2,735	2,15,472
Received by confiscation	...	...	3,727	3,556	Despatched from forests but not yet received	...	...	1,01,594	6,25,286
Received by collection of drift and waif	..	...	6,713	84,855	Transferred to drift	...	...	2	16
Received in Forest cases	...	...	221	261					
Gained by remeasurement	...	...	...	119	TOTAL TRUE DISPOSALS... ...	...	...	1,96,289	23,90,246
Drift timber transferred to Government	...	...	9,596	64,666					
Unmarked timber received during the year	...	...	11,130	2,37,587	(2).—CROSS DISPOSALS.				
Received from previous launchings	...	...	91,121	8,79,363	Transferred to other classes	...	...	20,783	11,95,265
					Transferred to other depôts	...	...	40,706	2,56,833
TOTAL TRUE RECEIPTS	...	...	1,38,989	23,48,461					
(2).—CROSS RECEIPTS.					TOTAL CROSS DISPOSALS ...	...	...	61,489	14,52,098
Received by transfer from other classes	...	...	1,27,546	12,80,376	**TOTAL DISPOSALS**		...	2,57,778	38,42,344
Received by transfer from other Depôts	...	...	40,706	2,56,833					
TOTAL CROSS RECEIPTS ...	...	...	1,68,254	14,87,209	**BALANCE AT CLOSE OF THE YEAR** ...	...	...	1,26,274	16,78,973
TOTAL RECEIPTS ...		...	3,07,243	38,35,670					
					GRAND TOTAL	...	...	3,84,052	55,21,317
GRAND TOTAL	...	...	3,84,052	55,21,317					
GRAND TOTAL FOR 1892-93 ... (13 months.)	..	...	3,22,440	48,24,505	GRAND TOTAL FOR 1892-93 ... (15 months.)	...	...	3,22,440	48,24,505

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, OR OTHERWISE DISPOSED OF, DURING THE YEAR 1893-94—*continued.*

FIREWOOD AND CHARCOAL

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Hazara Division.				
Firewood ...	...	1,143		
Charcoal ...	...	119		
Charcoal dust ...	...	16	...	1,278
Jhelum Division.				
Firewood ...	...	4,439	...	4,439
Chamba Division.				
Firewood ...	...	200	...	200
Ambala Division.				
Firewood ...	...	141		
Ditto ...	...	1,41,600		
Charcoal ...	...	8,558	...	1,50,299
Lahore Division.				
Firewood ...	...	18,75,149	...	18,75,149
Multan Division.				
Firewood ...	...	50,871	...	50,871
TOTAL BALANCE	...		...	20,82,236
RECEIPTS.				
(1.) TRUE RECEIPTS.				
RECEIVED FROM FORESTS DURING THE YEAR.				
Firewood ...	...	47,91,797	...	47,91,797
RECEIVED IN SALE AND OTHER DEPÔTS.				
Firewood ...	...	2,13,607	...	2,13,607
RECOVERED IN FOREST CASES.				
Firewood ...	...	606	...	606
RECEIVED BY CONFISCATION.				
Firewood ...	...	1,125	...	1,125
DRIFT TRANSFERRED TO GOVERNMENT ACCOUNT.				
Firewood ...	...	650	...	650
GAINED BY REMEASUREMENT.				
Firewood ...	...	71,269	...	71,269
TOTAL TRUE RECEIPTS ...	...	...	...	50,79,054
Carried over ...	...	...	...	50,79,054

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
DISPOSALS.				
(1.) TRUE DISPOSALS.				
REMOVED BY PURCHASERS FROM DEPÔTS.				
Firewood ...	...	57,33,696		
Charcoal ...	...	26,195		
Charcoal dust ...	...	770	...	57,60,661
USED BY DEPARTMENT.				
Firewood ...	...	684		
Charcoal ...	...	72	...	756
LOST BY REMEASUREMENT, DRYAGE, &c.				
Firewood ...	32,959	...		
Charcoal ...	2,667	...	...	35,626
MADE OVER TO CONTRACTORS.				
Firewood ...	...	15,896	...	15,896
TOTAL TRUE DISPOSALS ...			...	58,12,939
(2.) CROSS DISPOSALS.				
TRANSFERRED TO OTHER DEPÔTS				
Firewood ...	...	14,74,099		
Charcoal ...	...	15,804	...	14,89,903
TRANSFERRED TO OTHER CLASSES.				
Firewood ...	...	(b) 1,28,889		
Charcoal ...	...	962	...	1,29,851
TOTAL CROSS DISPOSALS ...	...	...	...	16,19,754
TOTAL DISPOSALS ...			...	74,32,693

(b.) Includes 4,164 cubic feet of firewood=2,794 cubic feet solid transferred to timber.
NOTE.—404 cubic feet of firewood said to have been in transit during 1892-93, were since found to be as loss by remeasurement.

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, OR OTHERWISE DISPOSED OF, DURING THE YEAR 1893-94—*continued.*

Particulars.	No. or quantity	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5	6	7	8	9	10
Brought forward ...	...	...	...	50,79,054	BALANCE AT CLOSE OF THE YEAR.				
(2.) CROSS RECEIPTS.					*Hazara Division.*				
Received by transfer from other Depôts.					Firewood ...	...	4,094		
					Charcoal ...	...	470		
					Charcoal dust ...	...	208	...	4,772
Firewood ...	...	14,74,099			*Jhelum Division.*				
Charcoal ...	...	15,804			Firewood ...	...	2,008	...	2,008
			...	14,89,903					
Received by transfer from other classes.					*Chamba Division.*				
					Firewood ...	...	19,912		
Firewood ...	...	(a) 846			Ditto ...	...	61	...	19,973
Charcoal ...	...	(a)37,325			*Ambala Division.*				
Charcoal dust ...	...	962							
			...	39,133	Firewood ...	...	1,090		
					Ditto ...	...	1,38,350		
					Charcoal ...	...	15,888	...	1,55,328
TOTAL CROSS RECEIPTS.	...	...	...	15,29,036	*Lahore Division.* Firewood ...	...	9,52,149	...	9,52,149
					Multan Division.				
TOTAL RECEIPTS		...	...	66,08,090	Firewood ...	...	1,23,403	...	1,23,403
GRAND TOTAL	...	...	...	86,90,326	TOTAL BALANCE...		...	...	12,57,633
					GRAND TOTAL ...		...	...	86,90,326
GRAND TOTAL FOR 1892-93. (15 months.)	...	...	...	91,43,762	GRAND TOTAL FOR 1892-93 ... (15 months.)	...	...	...	91,43,762

BAMBOOS.

Particulars.	No. or quantity	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.	Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.					DISPOSALS.				
RECEIPTS.					TRUE DISPOSALS.				
TRUE RECEIPTS.					Removed by Purchasers.				
Received from Forests during the year					Bamboos ...	5,02,884	...	5,02,884	...
Bamboos ...	5,02,884	...	5,02,884	...					
TOTAL TRUE RECEIPTS.			5,02,884	...	TOTAL TRUE DISPOSALS.			5,02,884	...
GRAND TOTAL	...	...	5,02,884	...	GRAND TOTAL	...	...	5,02,884	...
GRAND TOTAL FOR 1892-93 ... (15 months.)	...	...	6,29,791	...	GRAND TOTAL FOR 1892-93 (15 months.)	...	...	...	6,29,791

(a.) 9,500 cubic feet of charcoal and 46 cubic feet of firewood received by transfer from timber (*vide* Form No. 50 for timber).

27,500 cubic feet of charcoal received during the year out of 1,23,600 cubic feet fuel packed into kilns for manufacturing charcoal in Ambala Division.

Form No. 59.

ACCOUNT OF TIMBER AND OTHER PRODUCE CUT OR COLLECTED BY GOVERNMENT AGENCY AND BROUGHT TO SALE DEPOTS, OR SOLD LOCALLY, OR OTHERWISE DISPOSED OF, DURING THE YEAR 1893-94—*concluded.*

MISCELLANEOUS PRODUCE.

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
1	2	3	4	5
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Hazara Division.				
Shingles ...	26,860	177	26,860	177
SIMLA HILL TRACTS.				
Grass (maunds) ...	432	...	432	...
Multan Division.				
Grass (maunds) ...	227	...	227	..
TOTAL BALANCE ...			27,519	177
RECEIPTS.				
(1.) TRUE RECEIPTS.				
RECEIVED FROM FORESTS DURING THE YEAR.				
Bhan leaves (mds.)	20	...		
Podophyllum emodi roots („)	22	...		
Kuth roots („)	9	...		
Grass („)	950	...	1,001	...
TOTAL TRUE RECEIPTS			1,001	...
(2.) CROSS RECEIPTS.				
RECEIVED BY CONVERSION OF TREES.				
Shingles ...	1,80,285	1,170	1,80,285	(a) 1,170
RECEIVED BY TRANSFER FROM OTHER DEPÔTS.				
Shingles ...	1,81,435	1,178		
Podophyllum emodi roots (maunds) ...	11	...		
Kuth roots (mds.)	9	...	1,81,455	1,178
TOTAL CROSS RECEIPTS			3,61,740	2,348
TOTAL RECEIPTS ...			3,62,741	2,348
GRAND TOTAL	...	...	3,90,260	2,525
GRAND TOTAL FOR 1892-93 ... (15 months.)	...	...	3,83,292	2,475

Particulars.	No. or quantity.	Cubic feet.	Total of each head. No. or quantity.	Total of each head. Cubic feet.
6	7	8	9	10
DISPOSALS.				
(1.) TRUE DISPOSALS.				
REMOVED BY PURCHASERS.				
Shingles ...	1,71,213	1,116		
Bhan leaves (mds.)	20	...		
Podophyllum emodi roots („)	22	...		
Kuth roots („)	8	...		
Grass („)	969		1,72,232	1,116
USED BY DEPARTMENT.				
Shingles ...	6,550	43	6,550	43
LOST BY DRYAGE, &c.				
Kuth roots (mds.)	1	...		
Grass („)	40	...	41	..
TOTAL TRUE DISPOSALS			1,78,823	1,159
(2.) CROSS DISPOSALS.				
TRANSFERRED TO OTHER DEPÔTS.				
Shingles ...	1,81,435	1,178		
Podophyllum emodi roots (maunds) ...	11	...		
Kuth roots (mds.)	9	...	1,81,455	1,178
TOTAL CROSS DISPOSALS			1,81,455	1,178
TOTAL DISPOSALS ...			3,60,278	2,337
BALANCE AT CLOSE OF THE YEAR.				
Hazara Division.				
Shingles ...	29,382	188	29,382	188
SIMLA HILL TRACTS.				
Grass (maunds) ...	600	...	600	...
TOTAL BALANCE ...			29,982	188
GRAND TOTAL	...	...	3,90,260	2,525
GRAND TOTAL FOR 1892-93 ... (15 months.)	...	...	3,83,292	2,475

(a.) 1,170 cubic feet of shingles received by conversion of trees (*vide* Form No. 59 for timber).

Form No. 60 A.

ABSTRACT SHOWING THE VALUE OF TIMBER AND OTHER PRODUCE AT SALE DEPOTS FOR THE YEAR 1893-94.

Description of Timber and other Produce.	On hand at commencement of the year.			On hand at close of the year.			Difference in value.		Remarks.
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
			Rs.			Rs.	Rs.	Rs.	
Timber.									
Sale Depôts.									
Deodar (logs)	13,440	3,84,435	2,08,362	6,190	1,74,714	94,584	...	1,13,768	
Pine („)	1,695	34,122	7,668	1,660	31,146	8,057	389	...	
Box-wood („)	8,516	5,355	11,709	6,566	4,125	8,520	...	3,189	
Deodar sleepers and scantlings.	17,936	54,350	18,846	48,642	1,46,403	1,22,085	1,04,139	...	
Deodar beams	...	...	...	5	29	25	25	...	
Pine and other scantlings	3,534	5,058	3,272	4,646	6,204	3,338	66	...	
Pine sleepers	...	...	...	20	70	20	20	...	
Scraps and pieces ...	630	1,081	489	4,864	7,571	3,907	3,418	...	
Drift and waif wood ...	...	...	...	341	640	80	80	...	
Shingles	...	...	...	27,532	177	175	175	...	
Total ...	45,789	4,85,301	2,50,336	1,00,475	3,71,178	2,41,691	...	8,645	
Forest Depôts.									
Deodar trees	1,451	6,60.582	52,480	1,368	5,87,723	54,666	2,180	...	
Pine and other trees ...	44	12,014	3,671	101	43,748	2,751	...	920	
Deodar logs	10,625	4,25,104	1,17,326	13,241	5,03,905	1,14,798	...	2,528	
Pine and other logs ...	1,780	53,380	11,389	1,004	57,852	7,344	...	4,045	
Deodar sleepers and scantlings.	9,825	32,773	21,009	28,277	93,316	55,346	34,337	...	
Pine and other scantlings	6,085	13,372	2,324	2,447	8,153	2,891	567	...	
Sleepers	...	...	...	61	183	122	122	...	
Deodar beams	2	13	10	...	...	...	...	10	
Miscellaneous pieces ..	53	131	81	210	5,315	19	...	12	
Tors and ballás	1,405	2,127	254	5,722	7,777	1,625	1,371	...	
Shingles	26,860	177	22	1,850	11	12	...	10	
Total ...	57,880	12,00,523	2,08,522	55,181	13,07,988	2,39,574	31,052	...	
Total Timber ...	1,03,669	16,85,824	4,58,858	1,55,656	16,79,161	4,81,265	22,407	...	
Firewood, charcoal, bamboos' &c.									
Sale Depôts.									
Firewood (cubic feet) ...	...	6,03,418	35,962	...	3,71,367	18,661	...	17,301	
Charcoal („) ...	...	114	10	...	470	50	40	...	
Charcoal dust („) ...	...	16	...	...	208	3	3	...	
Total ...	1..	6,03,548	35,972	...	3,72,045	18,714	...	17,258	
Forest Depôts.									
Firewood (cubic feet) ...	...	14,70,125	70,718	...	8,69,700	39,562	...	31,156	
Charcoal („) ...	...	8,563	1,283	...	15,888	2,383	1,100	...	
Grass (maunds)	639	..	347	600	...	450	103	...	
Total ...	639	14,78,688	72,348	600	8,85,588	42,395	...	29,953	
Total Firewood ...	639	20,82,236	1,08,82	600	12,57,633	61,109	...	47,211	
GRAND TOTAL ...	...	...	5,67,178	...	...	5,42,874	...	24,804	
GRAND TOTAL FOR 1892-93 (15 months).	..	.	4,70,297	...	...	5,67,178	96,881	...	

Form No. 60 B.

ABSTRACT SHOWING THE VALUE OF LIVE AND DEAD STOCK FOR THE YEAR 1893-94.

	On hand at commencement of the year.			On hand at close of the year.			Difference in Value.		Remarks.
	No.	Cubic feet.	Value.	No.	Cubic feet.	Value.	In favour of the year.	Against the year.	
1	2	3	4	5	6	7	8	9	10
			Dead Stock						
			Rs.			Rs.	Rs.	Rs.	
Hazára Division ...	...	...	8,820	...	...	9,000	180	...	
Ráwalpindi " ...	...	...	1,637	...	...	1,597	...	40	
Jhelum " ...	...	...	6,474	...	...	5,953	...	521	
Chenáb " ...	...	...	7,157	..	...	6,908	..	249	
Chamba " ...	...	...	3,453	...	.	3,698	245	...	
Kángra " ...	...	...	6,996	...	...	7,048	52	...	
Kullu " ...	...	...	3,446	...	...	18,558	15,112	...	Rupees 15,078 value of buildings omitted in previous returns.
Bashahr " ...	...	...	15,805	...	...	16,580	775	...	
Simla Hill Tracts Division	...	...	195	...	...	424	229	..	
Ambala Division ...	...	...	1,239	...	...	1,188	..	51	
Lahore "	...	...	18,493	...	...	18,464	...	29	
Montgomery "	...	...	1,351	...	...	1,032	..	319	
Multan "	...	....	1,590	...	...	1,849	259	...	
Direction "	...	...	4,568	...	...	4,419	...	149	
Total ...	...	...	81,224	...	...	96,718	15,494	...	
			Live Stock.						
Chenáb Division	2	...	41	1	...	35	...	6	
Bashahr "	5	...	652	5	...	652	...	...	
Lahore "	5	...	55	3	...	33	...	22	
Total ...	...	...	748	...	...	720	...	28	
GRAND TOTAL ...	...	...	81,972	...	...	97,438	15,466	...	
GRAND TOTAL FOR 1892-93 (15 months).	...	...	70,283	...	...	81,072	11,680	...	

Form No. 61.

SUMMARY OF REVENUE OF THE DIFFERENT DIVISIONS DURING FOREST YEAR 1893-94.

Budget Heads.	Hazára Division.	Ráwalpindi Division.	Jhelum Division.	Chenáb Division.	Chamba Division.	Kángra Division.	Kullu Division.	Bashahr Division.	Simla Division.	Ambala Division.	Lahore Division.	Montgomery Division.	Multan Division.	Direction.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
REVENUE.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
I.—Timber and other produce removed from the Forests by Government Agency—															
a. Timber	6,107	...	28,329	3,095	1,07,495	7,199	...	3,358	...	1,12,458	871	...	168	...	2,69,080
b. Firewood and charcoal ...	2,594	...	70	283	1,646	31	...	...	...	4,187	1,01,097	1,37,610	54,635	...	3,02,153
c. Bamboos	...	...	...	...	...	9,168	...	...	...	126	...	...	...	...	9,294
d. Sandal-wood	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
e. Grass and other minor produce	158	...	...	...	...	...	...	...	302	...	...	...	114	...	574
Total I	8,859	...	28,399	3,378	1,09,141	16,398	...	3,358	302	1,16,771	1,01,968	1,37,610	54,917	...	5,81,101
II.—Timber and other produce removed from the Forests by consumers or purchasers—															
a. Timber	2,320	11,420	...	796	245	5,978	1,065	...	...	5	878	1,244	718	...	24,609
b. Firewood and charcoal ...	2,322	15,447	559	7,358	255	610	36	...	23	260	874	4,707	5,210	...	37,661
c. Bamboos	...	...	...	...	...	185	...	...	...	11	...	...	...	...	196
d. Grazing and fodder grass	7,103	11,949	16,018	50,997	644	5,433	3,441	...	2,074	700	51,289	28,217	12,577	...	1,90,442
e. Other minor produce ...	19	141	625	1,132	...	44	...	...	4	199	2,853	3,407	465	...	8,880
Total II	11,764	38,957	17,202	60,283	1,144	12,250	4,542	...	2,101	1,175	55,894	37,575	18,970	...	2,61,857

III.—Drift and waif wood and confiscated Forest produce	489	1,846	57,827	12,844	544	1,269	120	...	...	330	...	25	939	...	76,233
Total III	489	1,846	57,827	12,844	544	1,269	120	...	...	330	...	25	939	...	76,233
IV.—Revenue from Forests not managed by Government—															
a. Duty on foreign timber and other forest produce	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
b. Revenue from shared and private forest	121	...	...	...	..	2,686	...	...	...	...	...	..	..	...	2,807
Total IV	121	...	...	...	...	2,686	...	...	...	...	...	...	..	...	2,807
V.—Miscellaneous—															
a. Fines and forfeitures ...	157	8	...	102	...	79	5	...	...	...	49	...	...	...	400
b. Refunds	64	...	7	3	42	11	46	55	...	1	1	7	...	31	268
c. Other sources	876	4,105	4,472	3,297	729	1,790	285	150	27	2,524	192	2,219	413	44	21,123
Total V	1,097	4,113	4,479	3,402	771	1,880	336	205	27	2,525	242	2,226	413	75	21,791
Grand Total Revenue	22,330	44,916	1,07,907	79,907	1,11,600	34,483	4,998	3,563	2,430	1,20,801	1,58,104	1,77,436	75,239	75	9,43,789

J. C. BOSE,

Assistant Comptroller-General (Forests).

Calcutta :

The 1st September 1894.

Form No. 61.

SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS DURING FOREST YEAR 1893-94.

Budget Heads	Hazára Division.	Ráwalpindi Division.	Jhelum Division.	Chenáb Division.	Chamba Division.	Kángra Division.	Kullu Division.	Bashahr Division.	Simla Division.	Ambala Division.	Lahore Division.	Montgomery Division.	Multan Division.	Direction.	Total.
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
A.—CONSERVANCY AND WORKS.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs	Rs.
I.—Timber and other produce removed from the Forests by Government Agency—															
a. Timber	9,990	49	2,992	391	74,634	2,470	2,226	20,589	333	7,770	395	...	7	3,615	1,25,461
b. Firewood and charcoal	2,004	...	25	91	499	1	.	...	...	5,809	11,632	57,626	27,888	...	1,05,675
c. Bamboos	...	..	...	...	...	1,684	...	...	...	...	...	...	...	...	1,684
d. Sandal-wood	...	...		...	..	..	...	...	..	...	...	...	..	...	...
e. Grass and other minor produce	155	...	...	...	...	...	46	..	189	...	110	...	196	...	696
Total AI	12,149	49	3,017	482	75,133	4,155	2,272	20,589	522	13,579	12,137	57,626	28,091	3,615	2,33,416
II.—Timber and other produce removed from the Forests by Consumers or Purchasers ...	12	604	...	263	144	13	...	...	..	...	2	690	27	...	1,755
Total AII	12	604	...	263	144	13	...	...	..	...	2	690	27	..	1,755
III.—Drift and waif wood and confiscated Forest produce ...	192	436	14,555	3,317	610	905	500	10	...	380	...	2	207	...	21,114
Total AIII	192	436	14,555	3,317	610	905	500	10	...	380	...	2	207	...	21,114
IV.—Revenue from Forests not managed by Government—															
a. Duty on foreign timber and other forest produce	...	...	...	..	...	...	...	...	..	...	.	...	...	...	...
b. Revenue from shared and private forests ...	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...
Total AIV	...	...	...	...	...	...	...	...	..	...	...	...	...	...	...

V.—Rent of leased Forests and payments to Shareholders in Forests managed by Government	2,067	...	...	...	21,000	2,270	22	10,150	...	455	...	..	...	...	35,964
Total AV	2,067	...	...	...	21,000	2,270	22	10,150	...	455	...	...	...	...	35,964
VI.—Live Stock, Stores, Tools and Plant—															
a. Purchase of cattle ...	...	...	...	...	...	..	..	..	...	62	...	...	...	...	62
b. Feed and keep of cattle	..	...	..	83	...	...	...	835	...	123	...	...	...	...	1,041
c. Purchase of stores, tools and plant	343	49	19	8	339	128	...	233	66	137	...	4	298	562	2,186
Total AVI	343	49	19	91	339	128	...	1,068	66	322	...	4	298	562	3,289
VII.—Communications and Buildings—															
a. Roads and bridges ...	812	631	22	2	1,777	145	...	2,363	207	181	682	...	5	...	6,827
b. Buildings	92	384	969	170	2,329	566	112	1,222	123	2,095	101	154	386	...	8,703
c. Other works	19	51	...	...	18	8	...	...	...	80	17,943	...	...	...	18,064
Total AVII	923	1,066	991	172	4,124	714	112	3,585	330	2,306	18,726	154	391	...	33,594
VIII.—Organization, Improvement and Extension of Forests—															
a. Demarcation	251	624	1,516	284	376	531	18	83	120	147	344	1	253	...	4,548
b. Cost of Settlements; compensation for land and rights	...	...	...	...	...	...	...	..	...	..	...	..	..	...	...
c. Surveys	...	...	3	20	7	...	6	6,889	...	...	...	...	...	9	6,684
d. Working plans	357	...	9	...	581	113	...	...	...	41	...	...	...	2,615	3,716
e. Sowing and planting ...	33	87	429	462	1,093	492	70	591	1,178	182	—771	...	18	...	3,864
f. Protection from fire ...	1,151	...	...	...	218	298	144	178	47	212	8	41	372	..	2,669
g. Other works	...	179	...	...	940	32	90	182	111	1,323	9	...	127	...	2,993
Total AVIII	1,792	890	1,957	766	3,215	1,466	328	7,873	1,456	1,905	—410	42	770	2,624	24,674
IX.—Miscellaneous—															
a. Refunds	...	...	...	...	10	...	...	...	...	..	...	...	...	...	10
b. Law charges	100	...	...	2	...	...	...	...	...	2	...	7	1	...	112
c. Other charges	3	3	1	6	199	1	...	415	4	464	4	...	7	122	1,229
Total AIX	103	3	1	8	209	1	...	415	4	466	4	7	8	122	1,351
Total A.—Conservancy and Works	17,581	3,097	20,540	5,099	1,04,774	9,652	3,234	43,690	2,378	19,413	30,459	58,525	29,792	6,923	3,55,157

Form No. 61.

SUMMARY OF EXPENDITURE OF THE DIFFERENT DIVISIONS DURING FOREST YEAR 1893-94.

Budget Heads.	Hazára Division.	Ráwalpindi Division.	Jhelum Division.	Chenáb Division.	Chamba Division.	Kángra Division.	Kullu Division.	Bashahr Division.	Simla Division.	Ambala Division.	Lahore Division.	Montgomery Division.	Multan Division.	Direction.	Total
1	2	3	4	5	6	7	8	9	10	11	12	18	14	15	16
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Brought forward, Total A.—Conservancy and Works	17,581	3,097	20,540	5,099	1,04,774	9,652	3,234	43,690	2,378	19,413	30,459	58,525	29,793	6,933	3,55,157
B.—ESTABLISHMENTS.															
I.—Salaries.															
a. Conservators	...	...	..	...	...	..	...	...	...	...	...	...	...	14,109	14,109
b. Superior officers	11,189	11,021	7,119	2,400	8,500	12,494	7,050	10,800	6,600	3,000	3,000	3,508	3,000	14,946	1,04,627
c. Subordinate forest and depôt establishments ...	7,914	7,793	10,127	9,615	11,032	6,760	3,887	3,967	841	4,220	7,522	2,427	5,787	35	81,927
d. Office establishments ...	1,564	1,482	1,179	1,873	2,167	1,584	899	1,227	522	1,298	1,976	612	1,617	7,602	25,103
e. Deputation and special allowances	...	...	3	...	...	...	203	2,400	...	...	...	600	...	956	4,162
f. Exchange compensation allowance	1,060	1,351	780	...	957	1,538	854	1,619	809	..	...	...	...	3,008	11,976
Total BI	21,727	21,647	19,208	13,388	22,656	22,376	12,893	20,013	8,772	8,518	12,498	7,147	10,404	40,656	2,41,908
II.—Travelling Allowances—															
a. Conservators	...	...	...	...	..	...	.	...	...	...	...	...	...	1,771	1,771
b. Superior officers	1,410	526	1,744	767	1,830	1,215	1,116	2,247	2,695	891	757	501	836	2,317	18,852
c. Subordinate forest and depôt establishments ...	900	898	1,394	1,337	1,463	592	495	1,249	345	675	888	286	644	...	11,166
d. Office establishments ...	203	164	316	251	228	278	302	547	345	191	199	63	138	836	3,561
Total BII	2,513	1,588	3,454	2,355	3 521	2,085	1,913	4,043	3,885	1,757	1,844	850	1,618	4,424	35,850
III.—Contingencies—															
a. Stationery	65	205	104	80	101	125	67	75	17	35	32	30	52	73	1,051
b. Carriage of tents and records	374	145	168	107	391	644	668	414	385	60	15	84	182	917	4,534
c. Rents, rates and taxes ...	504	665	356	423	250	420	36	40	166	...	530	360	379	1,200	5,329
d. Pay of police guards ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
e. Official postage	443	423	324	340	311	321	277	184	109	243	111	102	223	967	4,378
f. Sundries	426	258	272	461	804	176	275	705	48	384	145	201	216	1,383	5,754
Total BIII	1,802	1,696	1,224	1,411	1,857	1,686	1,323	1,418	705	722	833	777	1,052	4,540	21,046
Total B.—Establishments ...	26,042	24,931	23,886	17,154	28,034	26,147	16,129	25,474	12,862	10,997	15,175	8,774	13,074	49,620	2,98,299
Grand Total of Expenditure...	43,623	28,028	44,426	22,253	1,32,808	35,799	19,363	69,164	15,240	30,410	45,634	67,299	42,866	56,548	6,53,456

Calcutta:
The 1st September 1894.

J. C. BOSE,
Assistant Comptroller-General (Forests).

Form No. 62.

Dr. ACCOUNT CURRENT FOR THE FOREST YEAR 1893-94. **Cr.**

Dr.	Rs.	A.	P.	Rs.	A.	P.
To Cash Balance	...	...	...	10	5	6
,, *VIII.—Assessed Taxes—*						
Income Tax—Deductions from salaries	...	...	...	4,033	0	10
,, *Revenue as per Annual Summary, Form No. 61*... ...	...	...	..	9,43,788	13	2
,, *Service Funds—*						
Civil Fund—Ordinary, Bengal	...	...	...			
,, Additional, Bengal	...	...	..			
Military Fund—Bengal	...	...	..			
,, ,, Madras	...	...	...			
,, Orphan Fund—Bengal	...	...	...			
Uncovenanted Service Family Pension Fund-Bengal	1,369	5	0			
General Family Pension Fund	...	...	...			
Hindu Family Annuity Fund...	...	...	...			
				1,369	5	0
,, *Deposits*	...	...	...	480	0	0
,, *Forest Cash Remittances—Local—*						
Forest cheques drawn...	6,22,141	11	8			
Inter-Divisional Transfers	4,028	4	8			
				6,26,170	0	4
,, *Advances recoverable*	...	...	..	4,05,235	12	0
,, *Suspense*	...	...	...	41	4	0
,, *Account Current (other Governments)—*						
Remittances from Government of India	18,685	13	8			
Ditto ditto Bengal	80	13	5			
Ditto ditto N.-W. P. & Oudh	11,603	11	0			
Account with Foreign States—						
Berár Suspense Account	709	0	11			
				31,079	7	0
,, *Inter-Departmental Transfers—*						
Public Works Department, Ordinary Branches ...	15,958	15	1			
Military Department, Bengal	...	...	...			
Civil Department—						
Jail	135	5	10			
Mathematical Instrument Department ...	102	1	0			
Miscellaneous	866	15	2			
				17,063	5	1
Total ...	...	...	...	20,29,321	4	11

Cr.	Rs	A.	P.	Rs.	A.	P.	Rs.	A.	P.
By Expenditure as per Annual Summary Form No. 61 ...				...	...	...	6,53,455	10	7
,, *Deposits*				...	...	.	390	13	0
,, *Forest Cash Remittances—Local—*									
Remittances to Treasuries				6,70,597	1	4			
Inter-Divisional Transfers				5,040	1	8			
							6,75,637	3	0
,, *Advances recoverable*				...	...	...	3,99,323	0	2
,, *Suspense*				...	...	...	41	4	0
,, *Account current (other Governments)—*									
Remittances to the Government of India				6,895	2	0			
North-Western Provinces and Oudh				828	15	4			
							7,724	1	4
,, *Inter-Departmental Transfers—*									
Public Works Department, State Railways... ...				2,36,415	3	9			
Ditto ditto Ordinary Branches ...				36,064	3	3			
Military Department, Bengal				9,473	1	8			
Civil Department—									
Survey of India	8,041	9	11						
Jail	2,395	0	0						
Miscellaneous	292	6	1						
				10,729	0	0			
							2,92,681	8	8
,, *Cash Balance*				...	...	...	67	12	2
Total ...				...	...	...	20,29,321	4	11

CALCUTTA :
The 1st September 1894.

J. C. BOSE,
Assistant Comptroller-General (Forests).

Form No. 63.

REVENUE RECEIVED AND OUTSTANDINGS ON ACCOUNT OF REVENUE DURING 1893-94.

Division.	Particulars.	Outstandings at commencement of year.			Value of sales and other revenue during year			Total.			Amount realised during year.			Balance due to the Department at end of year.		
1	2	3			4			5			6			7		
		Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Hazára	...	194	6	6	23,138	9	2	23,832	15	8	(a) 22,390	3	8	942	12	0
Ráwalpindi	.	4,405	8	10	43,504	11	5	47,910	4	3	44,915	5	9	2,994	14	6
Jhelum	.	5,916	5	0	1,08,557	13	10	1,14,474	2	10	1,07.907	7	10	6,566	11	0
Chenáb	.	25,496	12	9	78,466	0	5	1,03,962	13	2	(b) 80,507	3	3	23,455	9	11
Chamba	...	653	4	0	1,12,097	6	10	1,12,750	10	10	1,11,600	6	10	1,150	4	0
Kángra	...	...	...	.	34,482	8	11	34,482	8	11	34,482	8	11	...	...	...
Kullu	..	...	...	..	4,997	12	3	4,997	12	3	4,997	12	3	...	...	...
Bashahr	..	...	...		3,563	7	8	3,563	7	8	3,563	7	8	...	...	...
Simla Hill Tracts	..	...	..	.	2,430	5	8	2,430	5	8	2,430	5	8	...	...	...
Ambala	..	...	...	..	1,20,852	12	5	1,20,852	12	5	1,20,800	4	5	52	8	0
Lahore	..	16,121	12	6	1,52,388	12	4	1,68,510	8	10	(c) 1,58,204	4	4	10,306	4	6
Montgomery	...	20,608	5	2	1,87,056	3	5	2,07,664	8	7	1,77,435	7	4	30,229	1	3
Multan	...	832	8	0	75,940	11	9	76,778	3	9	75,239	3	9	1,534	0	0
Direction	...	...	...	..	75	0	6	75	0	6	75	0	6	...	...	...
Total ...	...	74,228	14	9	9,47,551	15	7	10,21,780	14	4	(d) 9,44,548	13	2	77,232	1	2
TOTAL FOR 1892-93 (15 months). ...	..	26,360	8	2	9,71,296	8	4	9,97,656	11	6	9,23,427	12	9	74,228	14	9

	Rs.	A.	P.
(a).—Written off (vide Commissioner and Superintendent, Peshāwar, No. 649, dated 8th March 1894	60	0	0
(b).—Written off (vide Commissioner and Superintendent, Lahore Division's, No. 51, dated 17th January 1894	600	0	0
(c).— Struck off owing to error (vide Conservator's No. 2434, dated 17th November 1893	100	0	0
Total ...	760	0	0
Revenue as per Form No. 61	9,43,788	13	2
Amount struck off under sanction	760	0	0
(d). Total ...	9,44,548	13	2

Form No. 64.

OUTSTANDINGS AND LIABILITIES ON ACCOUNT OF CONTRACTORS AND DISBURSERS FOR 1893-94.

Division.	Department Debtor.									Department Creditor.									Balance Due.		
	At commencement of year.			Recoveries in cash and value of supplies and work done during the year.			At close of year.			At commencement of year.			Payments made during year.			At close of year.			To Department (Outstandings).		
1	2			3			4			5			6			7			8		
	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.	Rs.	A.	P.
Hazára	...	...	...	28,876	4	2	28,876	4	2	614	11	5	29,330	6	7	29,951	2	0	1,074	13	10
Ráwalpindi ...	...	...	...	14,703	10	10	14,703	10	10	154	8	8	14,718	6	1	14,872	14	9	169	3	11
Jhelum	...	...	...	33,773	12	0	33,773	12	0	326	11	10	34,199	11	3	34,526	7	1	752	11	1
Chenáb	...	...	...	19,576	2	9	19,576	2	9	609	4	1	19,585	5	4	20,194	9	5	618	6	8
Chamba	...	...	...	76,468	4	8	76,468	4	8	3,332	0	1	75,340	15	7	78,672	15	8	2,204	11	0
Kángra	...	...	...	26,025	14	0	26,025	14	0	639	15	1	25,686	8	7	26,326	2	8	300	4	8
Kullu	...	...	...	11,416	8	1	11,416	8	1	782	11	5	10,903	11	1	11,686	6	6	269	14	5
Bashahr	1	6	0	59,671	6	2	59,672	12	2	17,135	1	2	56,911	14	1	74,046	15	3	14,374	8	1
Simla	...	...	...	8,815	5	8	8,815	5	8	120	11	1	9,174	7	2	9,295	2	3	479	12	7
Ambala	...	...	...	28,491	10	5	28,491	10	5	1,712	9	5	27,561	10	9	29,274	4	2	782	9	9
Lahore	...	...	...	27,544	10	1	27,544	10	1	321	12	3	27,517	4	1	27,839	0	4	294	6	3
Montgomery ...	...	...	...	40,690	1	5	40,690	1	5	3,107	2	6	39,092	7	5	42,199	9	11	1,509	8	6
Multan	...	...	...	20,411	13	4	20,411	13	4	142	12	8	21,080	3	0	21,222	15	8	811	2	4
Direction ...	...	...	...	8,820	4	5	8,820	4	5	1,087	14	9	8,214	6	2	9,302	4	11	482	0	6
Total ...	1	6	0	4,05,285	12	0	4,05,287	2	0	30,087	14	5	3,99,323	0	2	4,29,410	14	7	24,123	12	7

Form No. 65.

FINANCIAL RESULTS OF THE YEAR 1893-94.

Division.	Timber and other produce removed from the forests by Government Agency.		Other Revenue.		Formation, Protection and Improvement of Forests.	Total.		Remarks.
	Receipts.	Charges.	Receipts.	Charges.	Charges.	Receipts.	Charges.	
1	2	3	4	5	6	7	8	9
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
Hazára	9,348	23,260	12,982	8,881	11,482	22,330	43,623	
Ráwalpindi	1,846	8,820	43,070	8,929	10,279	44,916	28,028	
Jhelum	86,226	25,544	21,681	7,967	10,915	1,07,907	44,426	
Chenáb	16,222	9,563	63,685	6,012	6,678	79,907	22,253	
Chamba	1,09,685	1,06,258	1,915	9,782	16,768	1,11,600	1,32,808	
Kangra	17,667	16,109	16,816	8,762	10,928	34,483	35,799	
Kullu	120	8,170	4,878	5,376	5,817	4,998	19,363	
Bashahr	3,358	39,774	205	9,173	20,217	3,563	69,164	
Simla Hill Tracts	302	4,842	2,128	4,308	6,090	2,430	15,240	
Ambala	1,17,101	18,240	3,700	4,213	7,957	1,20,801	30,410	
Lahore	1,01,968	17,196	56,136	5,064	23,374	1,58,104	45,634	
Montgomery	1,37,635	60,555	39,801	3,623	3,121	1,77,436	67,299	
Multan	55,856	32,805	19,383	4,468	5,593	75,239	42,866	
Direction	...	20,436	75	16,803	19,304	75	56,543	
Total ...	6,57,384	3,91,572	2,86,455	1,03,361	1,58,523	9,43,789	6,53,456	
Total for 1892-93 (15 months.) ...	5,96,396	4 49,647	3,24,174	1,27,705	2,05,270	9,20,570	7,82,622	

APPENDIX II.

Statement of Buildings.

Divisions.	Rest-houses for Controlling Staff.	Quarters for Subordinates.	Offices.	Wells and Stores.	Total.	Remarks.
Hazára	5	8	1	...	14	
Ráwalpindi	4	8	3	197	212	
Jhelum	5	8	1	2	16	
Chenáb	1	20	...	1	22	
Chamba	19	16	2	...	37	
Kángra	5	15	2	...	22	
Kullu	3	20	3	...	26	
Bashahr	7	18	2	1	28	
Simla	...	4	...	...	4	
Ambala	3	8	2*	13	26	
Lahore	2	113	...	3	118	
Montgomery	...	12	...	...	12	
Multan	...	40	4	...	44	

APPENDIX II.

APPENDIX II.

Division.	I			II			III			IV			V			VI			VII			VIII			IX			X			XI		
	Total area of the Division.			AREA CLOSED OR PARTIALLY																											Area open to grazing without restriction.		
				Closed to all animals throughout the year.			Closed to all animals for a part of the year, but open to all animals for the remainder of the year.			CLOSED TO BROWSERS (ONLY) THROUGHOUT THE YEAR.						CLOSED TO CAMELS (ONLY) THROUGHOUT THE YEAR.						CLOSED TO BROWSERS (ONLY) FOR A PART OF THE YEAR.						Total area affected.					
										Closed to all other animals for a part of the year only.			Open to all other animals throughout the year.			Closed to all other animals for a part of the year.			Open to all other animals throughout the year.			Closed to all other animals throughout the year.			Open to all other animals throughout the year.								
	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.	Reserved.	Protected.	Unclassed.
													Departmental																				
Hazára	236	...	...	126	...	...	...	...	...	45	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	171	...	...	65	...	...
Ráwalpindi	327	68	358	216	...	...	...	...	...	...	...	...	29	67	...	...	...	...	62	...	...	...	...	...	...	1	...	307	68	...	20	...	358
Jhelum	300	...	259	182	...	4	...	...	...	...	...	...	7	...	28	...	...	...	...	...	...	...	...	...	...	...	...	189	...	32	111	...	227
Chenáb	74	217	69	15	...	4	...	12	25	15	49	1	44	...	7	...	...	...	...	...	...	...	...	...	...	...	...	74	61	37	...	156	32
Chamba	159	...	14	12	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	12	...	...	147	...	14
Kángra	55	...	743	48	...	33	5	...	2	...	...	...	...	...	...	2	...	5	...	...	...	...	...	...	...	...	...	55	...	40	...	...	703
Kullu	...	...	1,156	...	...	33	...	...	1	...	...	2	...	...	2	...	...	...	...	...	...	...	...	14	...	...	8	...	...	60	...	...	1,096
Bashahr	183	...	210	59	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	59	...	...	124	...	210
Simla Hill Tracts	13	...	2	2	...	2	...	...	...	...	...	...	11	...	...	...	...	...	...	...	...	...	...	...	...	...	...	13	...	[illegible]	...	...	...
Ambala	19	...	...	14	...	...	...	...	...	5	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	19	...	...	...	...	...
Lahore	44	...	298	17	...	2	...	...	...	11	...	32	15	...	88	...	...	...	...	...	...	...	...	...	...	...	...	43	...	122	1	...	176
Montgomery	87	...	759	9	...	...	...	...	...	78	...	...	...	...	24	...	...	...	...	...	...	...	...	...	...	...	...	87	...	24	...	...	735

Multan	125	...	154	38	...	9	...	...	...	48	...	1	38	...	83	1	...	...	...	...	...	...	...	...	...	..	...	125	...	93	...	...	61
Total Departmental	1,622	285	4,022	738	...	87	5	12	28	202	49	36	144	67	232	3	...	5	62	..	..	...	...	14	...	1	8	1,154	129	410	468	156	3,612
Military.																																	
Ráwalpindi	21	...	...	...	...	...	...	...	...	18	...	..	3	...	...	...	...	...	...	...	...	...	...	...	..	...	...	21	..	...	...	...	...
Jhelum	2	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...
Chamba	...	...	...	..	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...*	...	...
Jalandhar	1	...	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...	...
Lahore	21	...	...	2	...	...	6	...	...	...	...	...	...	...	...	13	...	...	...	...	...	...	...	...	...	...	...	21	...	...	...	...	...
Dera Ismail Khan District	6	...	...	...	...	...	...	...	...	6	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	6	...	...	...	...	...
Hissár District	64	...	...	...	...	...	...	...	...	...	...	...	64	...	...	...	...	...	...	...	...	...	...	...	...	...	...	64	...	...	...	...	...
Ambala District	3	...	...	...	...	...	...	...	...	...	...	...	2	...	...	...	...	...	...	...	...	...	...	...	...	...	...	2	...	...	1	...	...
Total Military	118	...	...	3	...	...	6	...	...	24	...	...	71	...	...	13	...	...	...	...	...	...	..	.	...	...	...	117	...	...	1	...	...
Civil.																																	
Jhelum	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...†
Kohát District	...	131	...	...	...	...	...	...	...	...	...	...	...	48	...	...	...	...	...	..	...	...	...	...	...	...	...	...	48	...	...	83	...
Shahpur District	...	790	...	...	...	...	..	6	...	...	...	...	...	...	...	...	31	...	...	...	...	...	...	...	...	...	...	...	37	...	...	753	...
Total Civil	...	921	...	...	...	...	...	6	...	...	...	...	...	48	...	...	31	...	...	...	...	...	...	...	...	...	...	...	85	...	...	836	...
Grand Total	1,740	1,206	4,022	741	...	87	11	18	28	228	49	36	215	115	232	16	31	5	62	...	..	...	...	14	...	1	8	1,271	214	410	469	992	3,612
	6,903			823			67			811			562			52			62			14			9			1,895			5,073		
Grand Total for 1892-93	1,746	199	4,108	803	...	53	5	...	18	152	...	56	146	115	235	2	...	5	62	...	...	...	...	14	...	1	9	1,170	116	303	576	83	3,715
	6,053			856			24			210			496			7			62			14			10			1,679			4,374		

* 0·21 square miles of reserves open to all animals throughout the year.

† 0·02 square miles, column V, Reserves.

APPENDIX III.

STATEMENT SHOWING ANIMALS IMPOUNDED DURING 1893-94.

Division.	Cattle and Buffaloes.	Sheep and Goats.	Camels.	Horses and Asses, &c.	Total.	Total for 1892-93 (15 months).
Hazára	755	1,275	...	20	2,050	2,405
Ráwalpindi	1,555	3,809	253	10	5,627	7,942
Jhelum	637	638	30	136	1,441	1,961
Chenáb	2,139	3,456	384	45	6,024	7,872
Chamba	...	...	...	...	...	...
Kángra	2,030	309	2	51	2,392	3,712
Kullu	3	4	...	2	9	7
Bashahr	...	...	...	...	...	...
Simla Hill Tracts	146	222	...	8	376	951
Ambala	115	132	8	1	256	177
Lahore	2,003	2,169	214	63	4,449	8,231
Montgomery	1,492	347	98	65	2,002	2,645
Multan	2,074	1,154	347	166	3,741	5,769
Total	12,949	13,515	1,336	567	28,367	41,672

APPENDIX IV.

RIVER ACCOUNT.

APPENDIX IV.

RIVER ACCOUNT DURING 1893-94.

Division.	Description.	Opening Balance.	Received. From Upper Forests.	Received. From Forests during the year.	Received. Drift and other confiscated Timber.	Received. By transfer from other classes.	Total Receipts.	Grand Total.	Disposed of. By sales.	Disposed of. By launchings.	Disposed of. By transfer to other classes.	Disposed of. In other ways.	Total Disposals.	Closing Balance.
		No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.	No.
HAZARA ...	Deodar trees	...	...	426	9	...	435	435	...	...	435	...	435	...
	Pine trees	32	...	276	54	...	390	362	3	...	331	...	334	28
	Deodar logs	1,545	...	...	325	2,413	2,738	4,283	19	2,151	...	...	2,170	2,113
	Pine logs	678	...	...	770	881	1,651	2,329	10	1,909	27	...	1,946	383
	Total	2,255	...	702	1,158	3,294	5,154	7,409	32	4,060	793	...	4,885	2,524
JHELUM ...	Deodar logs	1,699	4,351	...	87	257	4,695	6,394	3,913	...	144	1,743	5,800	594
	Pine logs	681	7,065	...	3	83	7,151	7,832	6,276	...	22	658	6,956	876
	Total	2,380	11,416	...	90	340	11,846	14,226	10,189	...	166	2,401	12,756	1,470
KULLU ...	Deodar trees	...	...	175	...	...	175	175	...	...	175	...	175	...
	Sleepers	1,935	85	...	...	1,311	1,346	3,281	...	2,755	...	102	2,857	424
	Total	1,935	35	175	...	1,311	1,521	3,456	...	2,755	175	102	3,032	424
KANGRA ...	Deodar logs	335	415	...	...	...	415	750	367	...	...	...	367	383
	Pine logs	19	19	...	...	...	19	38	29	...	...	...	29	9
	Sleepers	50	2,834	...	...	...	2,834	2,884	5	...	...	...	5	2,879
	Total	404	3,268	...	...	...	3,268	3,672	401	...	...	...	401	3,271

BASHAHR	Deodar trees	16	...	1,419	...	...	1,419	1,435	...	...	1,402	...	1,402	33
	Pine trees	...	...	67	...	...	67	67	...	...	67	...	67	.
	Deodar logs	4,513	35	332	...	7,110	7,477	11,990	35	5,722	80	84	5,021	6,069
	Pine logs	162	...	36	...	356	392	554	...	193	...	1	194	360
	Sleepers and scantlings	4,291	...	...	...	4,199	4,199	8,490	...	1,628	...	1,250	2,878	5,612
	Total	8,982	35	1,854	...	11,665	13,554	22,536	35	7,543	1,549	1,335	10,462	12,074
AMBALA	Deodar logs	9,502	3,779	...	...	...	3,779	13,281	9,766	...	...	...	9,766	3,515
	Pine logs	458	356	...	...	...	356	814	570	...	...	...	570	244
	Sleepers	1,939	1,620	...	58	...	1,678	3,617	123	...	...	...	123	3,494
	Total	11,899	5,755	...	58	...	5,813	17,712	10,459	..	...	..	10,459	7,253
CHAMBA*	Deodar logs	6,444	2,743	3,528	12	11,234	17,517	23,961	2,773	1,674	12,971	2	17,420	6,541
	Pine logs	1,039	2,049	73	1	2,350	4,473	5,512	1,669	1,682	1,059	28	4,438	1,074
	Deodar sleepers and scantlings ...	19,331	84,995	1,054	12	69,201	1,55,262	1,74,593	18,926	† 88,706	...	830	1,08,462	66,131
	Pine and other scantlings	761	128	...	...	3,532	3,660	4,421	3	1,859	...	170	2,032	2,389
	Total	27,575	89,915	4,655	25	86,317	1,80,912	2,08,487	23,371	93,921	14,030	1,030	1,32,352	76,135
CHENAB	Deodar logs	19	243	..	1,205	...	1,448	1,467	1,255	...	1	1	1,257	210
	Pine logs	1	396	...	1,699	1	2,096	2,097	1,802	...	...	...	1,802	295
	Sleepers	20	818	...	799	...	1,617	1,637	1,171	...	...	1	1,172	465
	Total	40	1,457	...	3,703	1	5,161	5,201	4,228	...	1	2	4,231	970
GRAND TOTAL ...	Deodar trees	16	...	2,020	9	...	2,029	2,045	...	...	2,012	...	2,012	33
	Pine trees	32	...	343	54	...	397	429	3	..	398	...	401	28
	Deodar logs	24,057	11,566	3,860	1,629	21,014	38,069	62,126	18,128	9,547	13,196	1,830	42,701	19,425
	Pine logs	3,038	9,885	109	2,473	3,671	16,138	19 176	10,356	3,784	1,108	687	15,935	8,241
	Sleepers and scantlings	28,327	90,430	1,054	869	78,243	1,70,596	1,98,923	20,228	94,948	..	2,353	1,17,529	81,394
	Total	55,470	1,11,881	7,386	5,034	1,02,928	2,27,229	2.82,699	48,715	1,08,279	16.714	4,870	1,78,578	1,04,121

* Dalhousie range transactions are excluded, and pine scantlings are included this year.

† Includes 36,489 rafted from one sale depôt to another.

APPENDIX V.

Gross Outturn.

Name of Divisions.	Government Agency.			Purchasers.			Free-grantees.			Right-holders.			Total.		
	Financial year 1891-92.	From 1st July 1892 to 30th June 1893.	Forest year 1893-94.	Financial year 1891-92.	From 1st July 1892 to 30th June 1893.	Forest year 1893-94.	Financial year 1891-92.	From 1st July 1892 to 30th June 1893.	Forest year 1893-94.	Financial year 1891-92.	From 1st July 1892 to 30th June 1893.	Forest year 1893-94.	Financial year 1891-92.	From 1st July 1892 to 30th June 1893.	Forest year 1893-94.
	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.	C. ft.
Hazara	1,73,686	1,63,838	1,62,182	1,82,349	1,06,910	1,53,433	5,821	5,821	5,881	34,980	34,980	34,980	3,96,786	3,11,549	3,56,476
Rawalpindi	...	...	...	5,28,063	6,48,786	4,92,139	...	...	...	20,81,577	20,61,837	21,07,325	26,09,640	27,10,623	25,99,464
Jhelum	124	415	353	2,900	13,908	8,753	41,536	41,536	41,536	4,08,490	4,08,490	4,08,490	4,53,050	4,64,349	4,59,132
Chenáb	...	533	2,843	4,15,536	1,51,550	2,80,237	...	...	...	...	...	...	4,15,536	1,52,083	2,83,080
Chamba	1,27,559	2,09,906	3,92,862	69,298	43,262	40,463	...	...	...	31,747	4,205	1,816	2,28,604	2,57,373	4,35,161
Kángra	...	...	...	85,822	1,12,402	76,493	..	100	...	1,20,273	1,19,935	89,618	2,06,095	2,32,437	1,66,111
Kullu	13,108	8,150	4,723	1,87,055	75,576	61,161	9,368	25,086	28,366	1,40,63,094	1,40,86,032	1,46,71,426	1,42,72,625	1,41,94,844	1,47,65,676
Bashahr	3,41,527	2,57,555	3,18,314	...	...	...	8,22,780	3,25,280	3,52,510	87,60,000	85,35,043	85,35,043	99,24,307	91,17,878	92,05,867
Simla Hill Tracts	...	...	3,037	3,250	6,875	708	1,820	1,417	...	74,145	98,353	78,915	79,215	1,06,645	82,660
Ambala	699	1,25,778	1,10,612	5,236	4,090	3,654	...	...	...	...	...	...	5,935	1,30,468	1,14,266
Lahore	8,63,704	6,36,175	3,64,370	13,357	20,137	15,862	3,463	3,676	...	...	...	...	8,80,524	6,59,988	3,80,232
Montgomery	11,45,292	11,24,605	12,28,329	51,298	63,614	1,95,672	...	...	.	...	...	...	11,96,590	11,88,219	14,24,001
Multan	5,79,241	5,22,873	6,35,190	1,00,965	2,09,457	3,18,183	..	...	...	...	...	..	6,80,206	7,32,330	9,53,373
Total ...	32,44,890	30,49,828	32,22,835	16,45,129	14,57,167	16,46,758	8,84,788	4,02,916	4,28,293	2,55,74,306	2,53,48,875	2,59,27,613	3,13,49,113	3,02,58,786	3,12,25,499

APPENDIX VI.

STATEMENT SHOWING ABSTRACT OF DRIFT OPERATIONS DURING THE YEAR 1893-94.

DRIFT.

Particulars.	No. or quantity.	Cubic feet.	Total of each Head. No. or quantity.	Total of each Head. Cubic feet.
BALANCE IN HAND AT COMMENCEMENT OF THE YEAR.				
Jhelum Division.				
Deodar logs ...	80	539		
Pine logs	8	49		
Sleepers	10	35		
Miscellaneous pieces	46	87	139	710
Chenab Division.				
Deodar logs ...	134	2,033		
Pine logs	65	919		
Deodar sleepers ...	151	515		
Pine „ ...	7	26		
Miscellaneous pieces	248	1,513	605	5,006
Ambala Division.				
B. G. sleepers ...	97	337		
N. G. „ ...	109	224		
Scantlings	33	45		
Miscellaneous pieces	19	14	318	620
Multan Division.				
Deodar sleepers ...	2	7		
Miscellaneous pieces	26	15	28	22
TOTAL BALANCE			1,090	6,358
RECEIPTS.				
(1).—TRUE RECEIPTS.				
RECEIVED DURING THE YEAR.				
Deodar logs ...	1,897	28,271		
Pine and other logs	2,868	28,258		
B. G. sleepers ...	119	412		
N. G. „ ...	211	281		
Deodar „ ...	2,080	5,533		
Deodar beams ...	8	63		
Sleepers	824	2,475		
Scantlings	233	423		
Pine sleepers ...	29	104		
Miscellaneous pieces	6,506	29,295		
Drift and waif wood	499	1,860		
Firewood pieces ...	...	435	15,274	(a) 97,410
OMITTED IN PREVIOUS RETURNS.				
Sleepers	170	441		
Miscellaneous pieces	2	10	172	451
GAINED BY REMEASUREMENT.				
Pine and other logs,	...	4		
Miscellaneous pieces	...	2	...	6
TOTAL TRUE RECEIPTS ...			15,446	97,867

Particulars.	No. or quantity.	Cubic feet.	Total of each Head. No. or quantity.	Total of each Head. Cubic feet.
DISPOSALS.				
(1.)—TRUE DISPOSALS.				
MADE OVER TO CLAIMANTS.				
Deodar logs ...	458	7,165		
Pine and other logs	2	40		
B. G. sleepers ...	181	627		
N. G. „ ...	351	467		
Deodar „ ...	609	960		
Sleepers	179	607		
Deodar scantlings...	14	28		
Pine sleepers ...	4	16		
Miscellaneous pieces	2,129	11,484	3,927	21,403
TRANSFERRED TO GOVERNMENT ACCOUNT.				
Deodar logs ...	1,304	19,041		
Pine and other logs	1,793	21,400		
B. G. sleepers ...	82	111		
N. G. „ ...	26	84		
Deodar „ ...	1,150	3,690		
„ beams ...	7	58		
Sleepers ...	242	562		
Scantlings ...	246	425		
Pine sleepers ...	32	114		
Miscellaneous pieces	4,238	17.414		
Drift and waif wood	499	1,860		
Firewood pieces ...	...	435	9,654	(b) 65,139
SWEPT AWAY BY FLOOD.				
Deodar logs ...	1	25		
Pine and other logs	2	41		
Sleepers	2	7		
Miscellaneous pieces	46	87	51	160
LOST BY RE-MEASUREMENT.				
Deodar logs ...	...	4	...	4
TOTAL TRUE DISPOSALS ...			13,632	86,706
(2.)—CROSS DISPOSALS.				
TRANSFERRED TO OTHER DEPOTS.				
Miscellaneous pieces	902	4,510	902	4,510
TOTAL CROSS DISPOSALS ...			902	4,510
TOTAL DISPOSALS ...			14,534	91,216

(a.) Cubical contents of drift timber in Chamba Division are unknown.

(b.) Drift timber in Chamba Division when transferred to Government account in Form 59 for timber is shown with cubical contents of 177 cubic feet.

APPENDIX VI—*concluded.*

STATEMENT SHOWING ABSTRACT OF DRIFT OPERATIONS DURING THE YEAR 1893-94.

PARTICULARS.	No. or quantity.	Cubic feet.	Total of each Head. No. or quantity.	Total of each Head. Cubic feet.
(2.)—CROSS RECEIPTS.				
RECEIVED BY TRANSFER FROM OTHER DEPOTS.				
Miscellaneous pieces	902	4,510		
			902	4,510
TOTAL CROSS RECEIPTS ...			902	4,510
TOTAL RECEIPTS ...			16,348	1,02,377
GRAND TOTAL ...			17,438	1,08,735
GRAND TOTAL FOR 1892-93 (15 months.) ...			6,308	38,798

PARTICULARS.	No. or quantity.	Cubic feet.	Total of each Head. No. or quantity.	Total of each Head. Cubic feet.
BALANCE AT CLOSE OF THE YEAR.				
Jhelum Division.				
Deodar logs ...	74	1,223		
Pine and other logs	998	5,247		
Sleepers	510	1,530		
			1,582	8,000
Chenáb Division.				
Deodar logs ...	171	3,304		
Pine „ ...	137	2,428		
Deodar sleepers ...	190	588		
Miscellaneous pieces	379	1,663		
			877	7,983
Chamba Division.				
Deodar logs ...	7	...		
„ sleepers ...	19	...		
			26	...
Kángra Division.				
Sleepers	71	245		
Miscellaneous pieces	57	285		
			128	530
Ambala Division.				
B. G. sleepers ...	3	11		
N. G. „ ...	3	4		
Scantlings ..	2	2		
Miscellaneous pieces	1	1		
			9	18
Multan Division.				
Deodar logs ...	6	81		
Pine „ ...	4	65		
Deodar sleepers ...	267	819		
„ beams ...	1	10		
Scantlings	4	13		
			282	982
TOTAL BALANCE			2,904	17,519
GRAND TOTAL ...			17,438	1,08,735
GRAND TOTAL FOR 1892-93 (15 months.) ...			6,308	38,798

APPENDIX VII.

STATEMENT OF IMPORTS OF TIMBER AND BAMBOOS DURING 1893-94.

River.	Territory from which received.	Deodar logs.	Pine logs.	Other logs.	Sleepers.	Scantlings.	Bamboos.	Miscellaneous timber.
Sutlej	Native States	...	...	...	57,770	73,367	1,51,795	...
Beás	Mandi	...	...	...	55,305	656	...	152
Rávi	Kashmír	9,105	...	567	(a)-18,971	...	2,100	245
Chenáb	Do.	827	423	...	88,383	...	370	7,331
Jhelum	Do.	109	28	...	21,534	97,375	...	66,967
Indus	Swát, Káshghár, Chingli, &c.	16,263	...	...	...	...	...	48,129
	Total ...	26,304	451	567	2,41,963	1,71,398	1,54,265	1,22,824
	Total for 1892-93 (15 months) ...	22,199	272	633	4,18,463	25,464	1,26,465	2,34,026

(a). Deodar sleepers and scantlings.

APPENDIX VIII.

RESULTS BY DIVISIONS.

Division.	Revenue.	Expenditure.	Surplus.	Deficit.
	Rs.	Rs.	Rs.	Rs.
Hazára	65,126	55,386	9,740	...
Ráwalpindi	44,916	28,028	16,888	...
Jhelum	65,111	32,663	32,448	...
Chenáb	72,532	18,521	54,011	...
Chamba	1,18,975	1,36,540	...	17,565
Kángra	27,039	26,818	221	...
Kulln	12,442	28,344	...	15,902
Bashahr	1,15,211	80,551	34,660	...
Simla Hill Tracts	2,430	15,240	...	12,810
Ambala	9,153	19,023	...	9,870
Lahore	1,58,104	45,634	1,12,470	...
Montgomery	1,77,436	67,299	1,10,137	...
Multan	75,239	42,866	32,373	...
Direction	75	56,543	...	56,468
Total	9,43,789	6,53,456	2,90,333	...

APPENDIX IX

STATEMENT OF OFFICERS IN CHARGE OF FOREST DIVISIONS.

No.	Names of Officers.	From	To	Remarks.
	CONSERVATORS.			
	Mr. R. H. C. Whittall ...	1st July 1893 ..	23rd February 1894.	
	Mr. E. Forrest	26th February 1894	31st March 1894.	
	Mr. C. F. Elliott	1st April 1894 ...	30th June 1894.	
1	HAZARA DIVISION.			
	Mr. L. O. Smith	1st July 1893 ...	25th September 1893.	
	Bhái Sadhu Singh	26th September 1893	1st January 1894.	
	Mr. L. G. Smith	2nd January 1894 ...	30th June 1894.	
2	RAWALPINDI DIVISION.			
	Mr. E. Forrest...	1st July 1893 ...	Ditto.	
3	JHELUM DIVISION.			
	Mr. R. J. P. Pinder	Ditto ...	17th June 1894.	
	Bhái Sadhu Singh	18th June 1894 ...	30th June 1894.	
4	CHENAB DIVISION.			
	Lála Daulat Rám	1st July 1893 ...	Ditto.	
5	CHAMBA DIVISION.			
	Mr. A. L. McIntire	Ditto ...	Ditto.	
6	KANORA DIVISION.			
	Mr. F. O. Lemarchand ...	Ditto ...	6th September 1893.	
	Mr. C. S. Smith	7th September 1893	7th December 1893.	
	Mr. F. O. Lemarchand ...	8th December 1893 .	6th February 1894.	
	Mr. C. S. Smith	7th February 1894...	30th June 1894.	
7	KULLU DIVISION.			
	Mr. C. P. Fisher	1st July 1893 ...	7th January 1894.	
	Mr. A. M. Reuther	8th January 1894 ...	15th March 1894.	
	Mr. E. M. Coventry	16th March 1894 ...	11th April 1894.	
	Mr. C. P. Fisher	12th April 1894 ...	30th June 1894.	
8	BASHAHR DIVISION.			
	Mr. G. G. Minniken	1st July 1893 ...	25th June 1894.	
	Mr. R. J. P. Pinder	26th June 1894 ...	30th June 1894.	
9	SIMLA DIVISION.			
	Mr. G. S. Hart	1st July 1893 ...	20th October 1893.	
	Mr. G. G. Minniken	21st October 1893 ...	12th November 1893.	
	Mr. G. S. Hart	13th November 1893	30th June 1894.	
10	AMBALA DIVISION.			
	Lála Jawala Pershad ...	1st July 1893 ...	Ditto.	
11	LAHORE DIVISION.			
	Munshi Fazal Din	Ditto ...	Ditto.	
12	MONTGOMERY DIVISION.			
	Mr. C. F. Rossiter	Ditto ...	Ditto.	
13	MULTAN DIVISION.			
	Babu Ladha Singh	Ditto ...	Ditto.	
14	DIRECTION DIVISION.			
	Mr. A. V. Monro	Ditto	Ditto.	
15	WORKING PLANS DIVISION.			
	Vacant	1st July 1893 ..	14th December 1893.	
	Mr. A. M. Reuther	15th December 1893	15th March 1894.	
	Mr. E. M. Coventry	16th March 1894 ...	30th June 1894.	